VIRONMENT TARIO BULLETIN

December 1986

ENVIRONMENTAL HEALTH BULLETIN

Ontario's Fish Contaminants Information Program

Environment Ontario issues bulletins on a routine basis to provide Ontario residents with up-to-date information on the results of fish collected and tested for contaminants such as mercury and PCB.

This bulletin contains information on fish collected from 54 watercourses and supplements the information on about 1436 lakes and rivers contained in the "Guide to Eating Ontario Sport Fish" booklet published in May, 1986 and subsequent Environmental Health Bulletins.

For each lake, the individual fish species tested are categorized according to size and contaminant concentration. Safe consumption limits can be determined by consulting the following "Fish Consumption Guidelines" table.

FISH CONSUMPTION GUIDELINES

(Expressed in meals per week or month with a meal consisting of an 8-ounce portion)

CATEGORY	LENGTH OF FISHING VACATION			
	ONE WEEK	TWO WEEKS	THREE WEEKS	LONG-TERM CONSUMERS *
A	<——— NO RESTRICTIONS ———>			
B	10 Meals/Week	5 Meals/Week	4 Meals/Week	1 Meal/Week
C	7 Meals/Week	4 Meals/Week	3 Meals/Week	3 Meals/Month
D	<——— NO CONSUMPTION ———>			
X	1 or 2 Meals/Week	1 or 2 Meals/Week	1 or 2 Meals/Week	1 or 2 Meals/Month

\- indicates that fish from these size ranges were not collected and consumption guidelines are not available.

* For the purpose of these guidelines, those people who fish on and off for part of the year exceeding three weeks are considered long-term consumers.

NOTE: WOMEN OF CHILDBEARING AGE AND CHILDREN UNDER 15 YEARS OF AGE SHOULD EAT ONLY FISH FROM THE "A" CATEGORY.

The recommended maximum consumption levels depend upon the period of time over which fish are consumed (1 week, 2 weeks, etc.) and the contaminant concentration in the fish. The categories A, B, C, and D in the above guideline represent levels of mercury from less than 0.5 parts per million (A) to over 1.5 parts per million (D). Fish categorized as "X" contain one or more organic contaminants (PCB, DDT, mirex, or 2,3,7,8-TCDD) at concentrations exceeding federal, unrestricted consumption guidelines.

To determine the recommended level of consumption of a given fish:

1. Identify the species.

2. Measure the length of the fish from the tip of the tail to the tip of the nose.

3. Check the lake table for the appropriate lake.

4. Note the category letter for the particular fish you are checking.

5. Determine the consumption recommendations from the "Fish Consumption Guidelines" table above.

As well as the lake name and its geographical location, the table includes the species of fish collected and the contaminants sampled for (e.g. Hg-mercury) and the level of contaminant in fish of each size caught as represented by a category letter defined above.

For any given fish and location, the fact that analysis was performed for a specific contaminant does not necessarily indicate that it was detected.

Booklets entitled "Guide to Eating Ontario Sport Fish", outlining the facts about fish contamination and the resultant health implications are now available from local offices of the ministries of the Environment and Natural Resources and in northern Ontario, the Ministry of Northern Development and Mines. For information concerning specific waterbodies and fish species, these local offices should be contacted.

The Ontario Government is continuing to sample fish from many lakes throughout the Province. As further information on additional waterbodies becomes available, listings will be made available to the media and data can be obtained from the local offices of the ministries of the Environment and Natural Resources.

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(Version française disponible)

LAKE LOCATION CO-ORDINATES	CONTAMINANTS SAMPLED	SPECIES	SIZE RANGE IN CENTIMETRES (INCHES) <15 < 6	15-20 6-8	20-25 8-10	25-30 10-12	30-35 12-14	35-45 14-18	45-55 18-22	55-65 22-26	65-75 26-30	>75 >30
MOE Southeastern Region:												
Mississippi Lake	Hg., PCB,											
4505/7610	Mirex, Pest.	Walleye	-	-	A	A	A	B	B	C	-	-
Drummond Twp.	"	Largemouth Bass	-	A	A	A	B	B	-	-	-	-
Lanark Co.	"	Smallmouth Bass	-	A	A	A	B	B	-	-	-	-
	"	Northern Pike	-	-	-	A	A	A	A	B	C	-
	"	Yellow Perch	-	A	A	A	-	-	-	-	-	-
Norway Lake	Hg.	Walleye	-	-	-	-	A	B	C	-	-	-
4520/7643												
Bagot Twp.												
Renfrew Co.												
Ottawa River	Hg.	Smallmouth Bass	-	-	A	A	B	B	D	-	-	-
(Petawawa to Renfrew)	Hg.	Northern Pike	-	-	-	-	-	A	A	A	B	B
4540/7650	Hg.	Walleye	-	-	-	A	B	B	-	-	-	-
Renfrew Co.												
Ottawa River	Hg., other metals											
(Rockland area)	PCB, Mirex, Pest.	Walleye	-	-	A	A	A	B	B	C	D	-
4535/7517	"	Northern Pike	-	-	-	-	-	A	A	B	B	-
Russell Co.	"	Smallmouth Bass	-	-	A	A	B	B	-	-	-	-
	"	White Sucker	-	-	-	A	A	A	B	-	-	-
	"	Sauger	-	-	A	B	C	D	-	-	-	-
	Hg., PCB, Mirex, Pest.	Yellow Perch	A	A	B	-	-	-	-	-	-	-
MOE Central Region:												
Bark Lake	Hg.	White Sucker	-	-	-	A	A	A	A	-	-	-
4456/7828	Hg., PCB,											
Glamorgan Twp.	Mirex, Pest.	Smallmouth Bass	-	A	A	-	-	-	-	-	-	-
Haliburton Co.												
Buller Lake	Hg.	Cisco	-	-	-	-	-	A	-	-	-	-
4448/7846												
Lutterworth Twp.												
Haliburton Co.												
Chandos Lake	Hg., PCB,											
4448/7803	Mirex, Pest.	Lake Trout	-	-	-	A	A	A	B	B	C	-
Chandos Twp.	Hg.	Largemouth Bass	-	A	A	A	A	A	-	-	-	-
Peterborough Co.	Hg.	Smallmouth Bass	-	-	-	A	B	B	B	-	-	-
	Hg.	Walleye	-	-	-	-	-	-	B	D	D	-
	Hg., PCB, Mirex, Pest.	Cisco	-	-	-	A	A	A	-	-	-	-
Depot Lake	Hg.	White Sucker	-	-	-	-	A	A	-	-	-	-
4515/7832												
Eyre Twp.												
Haliburton Co.												
Duck Lake	Hg., PCB,											
4513/7831	Mirex, Pest.	Brook Trout	-	A	-	-	-	-	-	-	-	-
Guilford Twp.												
Haliburton Co.												
Dutton Lake	Hg.	White Sucker	-	A	A	A	A	A	A	-	-	-
4516/7831												
Eyre Twp.												
Haliburton Co.												
Eastern Lake	Hg., PCB,											
4448/7929	Mirex, Pest.	Largemouth Bass	-	-	A	A	A	B	-	-	-	-
Matchedash Twp.												
Simcoe Co.												
Halls Lake	Hg.	White Sucker	-	-	-	-	-	A	B	-	-	-
4506/7845	Hg., PCB,											
Stanhope Twp.	Mirex, Pest.	Lake Trout	-	A	A	A	A	A	A	-	-	-
Haliburton Co.												
Holland River	Hg.	Northern Pike	-	-	-	-	A	A	A	A	B	-
(at Fraser Creek)												
4412/7931												
W. Gwillimbury Twp.												
Simcoe Co.												

LAKE LOCATION CO-ORDINATES	CONTAMINANTS SAMPLED	SPECIES	SIZE RANGE IN CENTIMETRES (INCHES) <15 < 6	15-20 6-8	20-25 8-10	25-30 10-12	30-35 12-14	35-45 14-18	45-55 18-22	55-65 22-26	65-75 26-30	>75 >30
MOE Central Region: (Cont'd)												
Kushog Lake	Hg.	Lake Trout	-	-	-	-	-	-	C	D	D	-
4504/7847	Hg.	Smallmouth Bass	-	-	A	B	B	-	-	-	-	-
Stanhope Twp. Haliburton Co.												
Little Gull Lake	Hg., PCB,											
4450/7848	Mirex, Pest.	Splake	-	-	A	A	A	B	-	-	-	-
Lutterworth Twp. Haliburton Co.												
Little Kennisis Lake	Hg., PCB,											
4515/7835	Mirex, Pest.	Lake Trout	-	A	A	A	A	B	C	D	D	-
Havelock Twp.	Hg.	White Sucker	-	-	-	A	A	B	-	-	-	-
Haliburton Co.												
Loon (Dudmon) Lake	Hg., PCB,											
4501/7823	Mirex, Pest.	Lake Trout	A	A	A	A	A	A	A	-	-	-
Dudley & Monmouth Twps.	Hg.	Walleye	-	-	A	A	A	A	B	B	-	-
Haliburton Co.	Hg.	Smallmouth Bass	A	A	A	A	A	A	-	-	-	-
Matchedash Lake	Hg., PCB,											
4447/7929	Mirex, Pest.	Largemouth Bass	-	-	A	A	A	B	-	-	-	-
Orillia & Matchedash Twps.	Hg.	Walleye	-	-	-	-	A	-	-	-	-	-
Simcoe Co.												
Moot Lake	Hg.	White Sucker	-	-	A	A	A	A	-	-	-	-
4509/7910	Hg., other metals,											
McLean Twp.	PCB, Mirex, Pest.	Largemouth Bass	-	-	A	B	B	C	D	-	-	-
Muskoka D.M.												
Sparrow Lake	Hg.	Smallmouth Bass	-	-	-	A	B	B	-	-	-	-
4447/7929	Hg.	Walleye	-	-	-	-	A	A	A	B	-	-
Orillia Twp.	Hg., PCB,											
Simcoe Co.	Mirex, Pest.	Largemouth Bass	-	-	A	A	A	B	C	-	-	-
Tea Lake	Hg., PCB,											
4452/7939	Mirex, Pest.	Smallmouth Bass	-	-	B	B	-	-	-	-	-	-
Matchedash Twp.	"	Walleye	-	-	-	-	A	B	B	C	D	-
Simcoe Co.												
MOE West Central Region:												
Grand River	Hg., other metals,											
(Dunnville	PCB, mirex	Walleye	-	-	-	A	A	A	B	C	D	-
- Port Maitland)	Hg.	Smallmouth Bass	-	-	A	A	A	A	-	-	-	-
4253/7935	Hg.	Largemouth Bass	-	-	A	A	A	A	-	-	-	-
Haldimand-Norfolk R.M.	Hg.	Coho	-	-	-	-	-	-	A	A	A	B
	Hg., other metals	Redhorse Sucker	-	-	-	-	A	B	-	-	-	-
	"	Carp	-	-	A	A	A	A	-	-	-	-
	"	Gizzard Shad	-	-	-	A	A	A	-	-	-	-
	"	Brown Bullhead	-	-	A	A	-	-	-	-	-	-
	"	Channel Catfish	-	-	-	-	A	A	-	-	-	-
Martindale Pond	Hg., other metals	Yellow Perch	-	A	A	-	-	-	-	-	-	-
4311/7916												
Grantham Twp.												
Niagara R.M.												

LAKE LOCATION CO-ORDINATES	CONTAMINANTS SAMPLED	SPECIES	SIZE RANGE IN CENTIMETRES (INCHES) <15 (<6)	15-20 (6-8)	20-25 (8-10)	25-30 (10-12)	30-35 (12-14)	35-45 (14-18)	45-55 (18-22)	55-65 (22-26)	65-75 (26-30)	>75 (>30)
MOE Northeastern Region:												
Billy Lake	PCB, Mirex, Pest.	Rainbow Trout	-	-	A	A	A	A	-	-	-	-
4538/7807	"	Splake	-	-	-	A	A	A	A	-	-	-
Preston Twp.												
Nipissing Dist.												
Buck Lake	Hg.	Smallmouth Bass	-	-	C	D	D	D	D	-	-	-
4525/7923	Hg.	Largemouth Bass	-	B	B	B	B	C	D	-	-	-
McMurrich Twp.	Hg.	Northern Pike	-	-	-	-	-	B	B	C	D	D
Parry Sound Dist.												
Jacks (Burden) Lake	Hg.	Walleye	-	A	A	A	B	B	B	-	-	-
4540/7920												
Armour Twp.												
Parry Sound Dist.												
Magpie River	Hg., other metals											
(Wawa area)	PCB, Mirex, Pest.	Brook Trout	-	-	A	A	A	A	-	-	-	-
4759/8447												
Algoma Dist.												
Little Mykiss Lake	PCB, Mirex, Pest.	Splake	-	-	-	-	A	A	A	-	-	-
4541/7814	"	Brook Trout	-	-	-	A	A	A	-	-	-	-
Preston Twp.												
Nipissing Dist.												
Mykiss Lake	PCB, Mirex, Pest.	Brook Trout	-	-	A	A	A	-	-	-	-	-
4540/7814	"	Splake	-	-	-	A	A	-	-	-	-	-
Preston Twp.												
Nipissing Dist.												
Spanish River	Hg.	Walleye	-	-	-	-	-	A	B	B	C	D
(downstream of Espanola)	Hg.	White Sucker	-	-	-	-	-	A	A	-	-	-
4615/8146												
Merritt Twp.												
Sudbury Dist.												
Trout Lake	Hg., PCB,											
(east of North Bay)	Mirex, Pest.	Lake Trout	-	A	A	A	A	A	-	-	-	-
4618/7920												
E. Ferris &												
Widdifield Twps.												
Nipissing Dist.												
Tukanee Lake	Hg., PCB,											
4838/8513	Mirex, Pest.	Lake Trout	-	-	A	A	A	A	A	A	A	B
Common Twp.												
Algoma Dist.												
Turtle Lake	Hg., PCB,											
(Mattawa River)	Mirex, Pest.	Lake Trout	A	A	A	A	A	B	B	-	-	-
4618/7910												
Bonfield & Phelps Twps.												
Nipissing Dist.												
Whitewater Lake	Hg., other metals											
4632/8109	PCB, Mirex, Pest.	Brown Bullhead	A	A	A	A	A	-	-	-	-	-
Rayside & Snider Twps.	"	Northern Pike	-	-	-	-	-	A	A	A	A	-
Sudbury Dist.	"	Cisco	-	-	-	-	A	A	-	-	-	-
	Hg.	Yellow Perch	A	A	A	-	-	-	-	-	-	-

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MOE Northwestern Region:												
Ball Lake	Hg.	Northern Pike	-	-	-	-	B	B	B	C	D	D
5018/9400	Hg.	Walleye	-	-	B	B	B	C	C	D	D	D
Kenora Dist.	Hg.	Whitefish	-	A	A	A	A	A	A	B	-	-
	Hg.	White Sucker	-	-	-	A	B	C	D	D	D	-
	Hg.	Mooneye	-	-	A	B	C	D	-	-	-	-
	Hg.	Yellow Perch	-	B	C	D	D	D	-	-	-	-
	Hg.	Sauger	-	C	D	D	D	D	D	-	-	-
	Hg.	Smallmouth Bass	-	-	-	-	D	D	-	-	-	-
	Hg.	Cisco	-	-	-	-	D	D	-	-	-	-
Dogtooth Lake	Hg., PCB,											
4943/9410	Mirex, Pest.	Whitefish	-	-	-	-	A	A	A	-	-	-
Coyle & Lemay Twps.	"	White Sucker	-	-	-	-	-	A	A	-	-	-
Kenora Dist.												
Eagle Lake	Hg., PCB,											
(south of Eagle River)	Mirex, Pest.	Northern Pike	-	-	-	-	-	-	A	A	A	-
4942/9313	"	Whitefish	-	-	-	-	A	A	A	-	-	-
Aubrey & Temple Twps.	"	Walleye	-	-	-	-	-	A	B	B	C	-
Kenora Dist.	"	White Sucker	-	-	-	-	-	A	A	-	-	-
Island Lake	Hg., PCB,											
4948/9420	Mirex, Pest.	Walleye	-	-	-	-	A	B	C	D	-	-
Haycock Twp.	"	White Sucker	-	-	-	-	A	A	B	C	-	-
Kenora Dist.	"	Yellow Perch	-	-	A	-	-	-	-	-	-	-
(Lower) Little Jackfish River	Hg.	Walleye	-	-	-	-	A	A	B	-	-	-
5017/8823												
Thunder Bay Dist.												
Little Joe Lake	Hg., PCB,											
4950/9350	Mirex, Pest.	Walleye	-	-	-	-	A	B	C	-	-	-
Tustin Twp.	"	White Sucker	-	-	A	A	A	A	A	-	-	-
Kenora Dist.												
Percy Lake	Hg., PCB,											
4946/9406	Mirex, Pest.	White Sucker	-	-	A	A	A	A	A	-	-	-
Coyle Twp.												
Kenora Dist.												
Separation Lake	Hg.	Redhorse Sucker	-	-	-	-	A	A	B	C	D	-
5014/9424	Hg.	Northern Pike	-	-	-	A	B	C	C	C	D	D
Kenora Dist.	Hg.	Mooneye	-	A	A	A	A	B	-	-	-	-
	Hg.	Walleye	-	B	B	C	C	D	D	D	D	D
	Hg.	Whitefish	-	-	A	A	A	A	A	A	-	-
	Hg.	Cisco	A	A	A	A	A	A	-	-	-	-
	Hg.	Sauger	-	C	D	D	D	D	-	-	-	-
	Hg.	White Sucker	-	-	-	A	A	A	B	B	-	-
	Hg.	Ling	-	-	-	-	B	B	C	-	-	-
	Hg.	Yellow Perch	-	C	D	-	-	-	-	-	-	-
Wabigoon River	Hg.	Whitefish	-	-	-	-	-	A	B	B	-	-
(at Segise Lake)	Hg.	Northern Pike	-	-	-	-	B	B	C	C	C	D
5009/9339	Hg.	Walleye	-	-	-	C	C	D	D	D	D	-
Kenora Dist.	Hg.	White Sucker	-	-	-	-	-	A	B	C	-	-
Lake of the Woods	Hg.	Walleye	-	A	A	A	A	A	A	A	-	-
(Bishop Bay)	Hg.	Sauger	-	-	A	A	A	B	-	-	-	-
4928/9446	Hg., PCB,											
Kenora Dist.	Mirex, Pest.	Smallmouth Bass	-	-	-	A	A	B	-	-	-	-
Lake of the Woods	Hg.	Walleye	-	-	-	A	A	A	A	A	-	-
(Ptarmigan Bay)	Hg.	Northern Pike	-	-	-	-	-	-	A	A	-	-
4939/9443	Hg., PCB,											
Kenora Dist.	Mirex, Pest.	Smallmouth Bass	-	-	-	-	A	A	-	-	-	-
Lake of the Woods	Hg.	Walleye	-	-	-	A	A	A	A	-	-	-
(Yellow Girl Bay)	Hg.	Sauger	-	A	A	A	B	C	-	-	-	-
4930/9416	Hg., PCB,											
Kenora Dist.	Mirex, Pest.	Smallmouth Bass	A	A	A	A	A	A	-	-	-	-
	Hg.	Northern Pike	-	-	-	-	-	-	-	B	B	-
Zigzag Lake	Hg.	Walleye	-	-	A	A	A	B	B	B	C	-
5029/8820												
Thunder Bay Dist.												

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MOE Great Lakes:												
(Lower) Niagara River (Queenston-Whirpool) 4307/7904 Niagara R.M.	Hg., other metals, PCB, Mirex, Pest., 2,3,7,8-TCDD	American Eel	-	-	-	-	-	-	A	X	X	X
	"	Rainbow Trout	-	-	-	A	A	A	A	A	X	X
	Hg., PCB, Mirex, Pest., 2,3,7,8-TCDD	Yellow Perch	-	A	A	A	-	-	-	-	-	-
	2,3,7,8-TCDD	Walleye	-	-	-	-	-	-	A	-	-	-
	"	Muskie	-	-	-	-	-	-	-	A	-	-
	PCB, Mirex, Pest., 2,3,7,8-TCDD	Northern Pike	-	-	-	-	-	-	A	A	A	A
	Hg, other metals, PCB, Mirex, Pest.	White Sucker	-	-	-	A	A	A	X	-	-	-
	PCB, Mirex, Pest.	Coho	-	-	-	-	-	-	-	X	X	X
	Hg., PCB, Mirex, Pest., 2,3,7,8-TCDD	Rock Bass	A	A	A	-	-	-	-	-	-	-
	Hg., other metals, PCB, Mirex, Pest., 2,3,7,8-TCDD	Smallmouth Bass	-	A	A	A	A	A	-	-	-	-
	Hg., PCB, Mirex, Pest.	White Perch	-	-	A	X	X	-	-	-	-	-
	PCB, Mirex, Pest.	Brown Bullhead	-	-	-	A	A	-	-	-	-	-
	Hg.	Redhorse Sucker	-	-	-	A	A	A	-	-	-	-
	Hg., PCB, Mirex, Pest.	Rainbow Smelt	A	A	-	-	-	-	-	-	-	-
	Hg., other metals, PCB, Mirex, Pest.	Lake Trout	-	-	-	-	-	-	X	X	X	-
St. Lawrence River (Lake Ontario #7) (Lake St. Francis) 4508/7425 Glengarry Co.	Hg., other metals, PCB, Mirex, Pest.	Walleye	-	-	-	-	A	A	B	C	D	D
	Hg., PCB, Mirex, Pest.	Northern Pike	-	-	-	A	A	A	A	B	B	C
	"	Sturgeon	-	-	-	-	-	-	X	X	X	X
	"	Yellow Perch	A	A	A	B	-	-	-	-	-	-
	"	Channel Catfish	-	-	-	-	X	X	X	X	-	-
	"	White Sucker	-	-	-	-	A	A	B	B	-	-
	"	Pumpkinseed	A	A	-	-	-	-	-	-	-	-
	"	Brown Bullhead	-	-	A	A	A	-	-	-	-	-
	"	Smallmouth Bass	-	-	-	A	B	B	C	-	-	-
Lake Erie #4 (Long Point Bay) 4240/8010 Haldimand-Norfolk R.M.	Hg., PCB, Mirex, Pest., 2,3,7,8-TCDD	Rainbow Trout	-	-	-	-	-	A	A	A	A	A
	Hg, PCB, Mirex, Pest.	Coho	-	-	-	-	-	-	A	A	A	A
	"	Rock Bass	A	A	A	-	-	-	-	-	-	-
	"	Largemouth Bass	-	A	A	A	A	A	-	-	-	-
	Hg., other metals, PCB, Mirex, Pest.	Yellow Perch	A	A	A	A	A	-	-	-	-	-
	Hg., PCB, Mirex, Pest.	Brown Bullhead	-	-	A	A	A	A	-	-	-	-
	"	Channel Catfish	-	-	-	-	A	A	A	A	A	A
	"	Smallmouth Bass	-	A	A	A	A	A	A	-	-	-
	"	Northern Pike	-	-	-	-	-	A	A	A	A	A
	Hg., other metals, PCB, Mirex, Pest.	Rainbow Smelt	A	A	A	-	-	-	-	-	-	-
	Hg., PCB, Mirex, Pest.	White Bass	-	A	A	A	A	-	-	-	-	-
	"	Carp	-	-	-	-	A	A	A	A	A	A
	"	White Sucker	-	-	-	-	-	A	A	B	-	-
	"	Freshwater Drum	-	-	A	A	A	B	-	-	-	-
	"	Pumpkinseed	-	A	A	-	-	-	-	-	-	-
	"	Pink Salmon	-	-	-	-	-	A	A	-	-	-
	"	Black Crappie	-	A	A	A	-	-	-	-	-	-

LAKE LOCATION CO-ORDINATES	CONTAMINANTS SAMPLED	SPECIES	SIZE RANGE IN CENTIMETRES (INCHES) <15 (<6)	15-20 (6-8)	20-25 (8-10)	25-30 (10-12)	30-35 (12-14)	35-45 (14-18)	45-55 (18-22)	55-65 (22-26)	65-75 (26-30)	>75 (>30)
MOE Great Lakes: (Cont'd)												
Lake Superior #1 (Mission River mouth)	Hg., PCB, Mirex, Pest.,											
4821/8913	2,3,7,8-TCDD	White Sucker	-	-	A	A	A	A	A	-	-	-
Thunder Bay Dist.	"	Walleye	-	-	-	A	A	A	B	B	-	-
	"	Northern Pike	-	-	-	A	A	A	A	A	A	-
	Hg., PCB, Mirex, Pest.	Longnose Sucker	-	-	-	A	A	A	B	-	-	-
Lake Superior #1 (Thunder Bay Harbour)	Hg., PCB, Mirex, Pest.,											
4824/8912	2,3,7,8-TCDD	Northern Pike	-	-	-	-	-	-	A	A	B	-
Thunder Bay	"	White Sucker	-	-	-	-	A	A	B	-	-	-
Lake Superior #5 (Peninsula Harbour)	Hg., PCB, Mirex, Pest.,											
4844/8625	2,3,7,8-TCDD	Lake Trout	-	-	-	A	A	A	A	A	X	X
Thunder Bay Dist.	Hg., PCB, Mirex, Pest.	Whitefish	-	-	-	A	B	X	X	X	-	-
	"	White Sucker	-	A	A	B	B	X	D	-	-	-
	"	Longnose Sucker	-	A	B	X	X	X	D	-	-	-
	Hg.	Redhorse Sucker	-	A	B	B	C	D	D	-	-	-
Lake Superior #6 (Michipicoten Bay)	Hg., PCB, Mirex, Pest.	Pink Salmon	-	-	-	-	-	A	A	-	-	-
4757/8453	"	Lake Trout	-	-	-	A	A	A	A	B	B	B
Algoma Dist.	"	Whitefish	-	-	-	A	A	A	A	-	-	-
	"	Cisco	-	-	A	A	A	A	-	-	-	-
	PCB, Mirex, Pest.	Rainbow Trout	-	-	-	-	A	A	A	A	A	-
	Hg., PCB, Mirex, Pest.	Chinook	-	-	-	-	-	-	-	A	A	A

ENVIRONMENT ONTARIO BULLETIN

January 1986

ENVIRONMENTAL HEALTH BULLETIN

Ontario's Fish Contaminants Information Program

Environment Ontario issues bulletins on a routine basis to provide Ontario residents with up-to-date information on the results of fish collected and tested for contaminants such as mercury and PCB.

This bulletin contains information on fish collected from 50 watercourses and supplements the information on about 1387 lakes and rivers contained in the "Guide to Eating Ontario Sport Fish" booklet published in May, 1985 and subsequent Environmental Health Bulletins.

For each lake, the individual fish species tested are categorized according to size and contaminant concentration. Safe consumption limits can be determined by consulting the following "Fish Consumption Guidelines" table.

FISH CONSUMPTION GUIDELINES

(Expressed in meals per week or month with a meal consisting of an 8-ounce portion)

CATEGORY	LENGTH OF FISHING VACATION			
	ONE WEEK	TWO WEEKS	THREE WEEKS	LONG-TERM CONSUMERS *
A	← NO RESTRICTIONS →			
B	10 Meals/Week	5 Meals/Week	4 Meals/Week	1 Meal/Week
C	7 Meals/Week	4 Meals/Week	3 Meals/Week	3 Meals/Month
D	← NO CONSUMPTION →			
X	1 or 2 Meals/Week	1 or 2 Meals/Week	1 or 2 Meals/Week	1 or 2 Meals/Month

\- indicates that fish from these size ranges were not collected and consumption guidelines are not available.

* For the purpose of these guidelines, those people who fish on and off for part of the year exceeding three weeks are considered long-term consumers.

NOTE: WOMEN OF CHILDBEARING AGE AND CHILDREN UNDER 15 YEARS OF AGE SHOULD EAT ONLY FISH FROM THE "A" CATEGORY.

Ontario
Ministry of the Environment
Hon. Jim Bradley Minister
Rod McLeod Deputy Minister

The recommended maximum consumption levels depend upon the period of time over which fish are consumed (1 week, 2 weeks, etc.) and the contaminant concentration in the fish. The categories A, B, C, and D in the above guideline represent levels of mercury from less than 0.5 parts per million (A) to over 1.5 parts per million (D). Fish categorized as "X" contain one or more organic contaminants (PCB, DDT, mirex, or 2,3,7,8-TCDD) at concentrations exceeding federal, unrestricted consumption guidelines.

To determine the recommended level of consumption of a given fish:

1. Identify the species.
2. Measure the length of the fish from the tip of the tail to the tip of the nose.
3. Check the lake table for the appropriate lake.
4. Note the category letter for the particular fish you are checking.
5. Determine the consumption recommendations from the "Fish Consumption Guidelines" table above.

As well as the lake name and its geographical location, the table includes the species of fish collected and the contaminants sampled for (e.g. Hg-mercury) and the level of contaminant in fish of each size caught as represented by a category letter defined above.

For any given fish and location, the fact that analysis was performed for a specific contaminant does not necessarily indicate that it was detected.

Booklets entitled "Guide to Eating Ontario Sport Fish", outlining the facts about fish contamination and the resultant health implications are now available from local offices of the ministries of the Environment and Natural Resources and in northern Ontario, the Ministry of Northern Affairs. For information concerning specific waterbodies and fish species, these local offices should be contacted.

The Ontario Government is continuing to sample fish from many lakes throughout the Province. As further information on additional waterbodies becomes available, listings will be made available to the media and data can be obtained from the local offices of the ministries of the Environment and Natural Resources.

FOR FURTHER INFORMATION: A. Johnson (416) 965-6954
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(Version française disponible)

LAKE LOCATION CO-ORDINATES	CONTAMINANTS SAMPLED	SPECIES	SIZE RANGE IN CENTIMETRES (INCHES) <15 (< 6)	15-20 (6-8)	20-25 (8-10)	25-30 (10-12)	30-35 (12-14)	35-45 (14-18)	45-55 (18-22)	55-65 (22-26)	65-75 (26-30)	>75 (>30)
MOE Southeastern Region:												
Otty Lake	Hg., PCB,											
4451/7613	Mirex, Pest.	Northern Pike	-	-	-	-	-	A	B	B	C	D
N. Burgess Twp.	"	Smallmouth Bass	-	-	A	A	A	C	D	D	-	-
Lanark Co.												
Rideau River	Hg., PCB,											
(Smiths Falls	Mirex, Pest.	Largemouth Bass	-	-	-	A	A	B	C	-	-	-
to Merrickville)	Hg.	Northern Pike	-	-	-	-	-	A	A	-	-	-
4454/7555	Hg., PCB,											
Lanark & Leeds Co.	Mirex, Pest.	Brown Bullhead	-	-	A	A	-	-	-	-	-	-
Silver Lake	Hg.	Northern Pike	-	-	-	-	-	-	B	C	-	-
4450/7635	Hg., PCB,											
S. Sherbrooke Twp.	Mirex, Pest.	Smallmouth Bass	-	-	A	A	A	-	-	-	-	-
Lanark Co.												
MOE Central Region:												
Birchy Lake	Hg., other metals											
4512/7835	PCB, Mirex, Pest.	Speckled Trout	-	A	A	A	A	-	-	-	-	-
Havelock Twp.												
Haliburton Co.												
Black Lake	Hg.	White Sucker	-	-	-	A	A	A	A	-	-	-
4449/7949	Hg.	Smallmouth Bass	-	-	A	B	B	C	C	-	-	-
Lutterworth Twp.	Hg.	Largemouth Bass	-	-	-	A	A	B	-	-	-	-
Haliburton Co.												
Crystal Lake	Hg., PCB,											
4445/7829	Mirex, Pest.	Smallmouth Bass	-	-	A	A	A	B	-	-	-	-
Galway Twp.	Hg.	Whitefish	-	-	-	A	A	B	-	-	-	-
Peterborough Co.												
Farlain Lake	Hg., PCB,											
4449/7959	Mirex, Pest.	Smallmouth Bass	-	-	A	A	A	A	B	-	-	-
Tiny Twp.	"	Largemouth Bass	-	-	-	A	A	A	-	-	-	-
Simcoe Co.												
Fifteen Mile Lake	Hg.	Lake Trout	-	A	A	A	A	A	A	A	-	-
4521/7858												
Franklin Twp.												
Haliburton Co.												
Flaherty Lake	Hg.	Speckled Trout	-	-	-	A	A	-	-	-	-	-
4520/7855												
McClintock Twp.												
Haliburton Co.												
Lower Paudash Lake	Hg., PCB,											
4458/7801	Mirex, Pest.	Smallmouth Bass	-	A	A	A	A	B	B	-	-	-
Cardiff Twp.												
Haliburton Co.												
Niger Lake	Hg.	Speckled Trout	-	-	A	A	A	A	-	-	-	-
4524/7851												
McClintock Twp.												
Haliburton Co.												
Pusey Lake	Hg., PCB,											
4503/7813	Mirex, Pest.	Smallmouth Bass	-	-	A	A	A	-	-	-	-	-
Cardiff Twp.												
Haliburton Co.												
Unnamed Lake (#420)	Hg.	Speckled Trout	-	-	-	A	A	A	A	-	-	-
4531/7857												
Finlayson Twp.												
Muskoka D.M.												
Young Lake	Hg.	Lake Trout	-	-	-	A	A	B	B	C	D	-
4513/7933												
Watt Twp.												
Muskoka D.M.												
MOE West Central Region:												
Orangeville Reservoir	Hg., PCB,											
4355/8006	Mirex, Pest.	Yellow Perch	A	A	B	C	C	-	-	-	-	-
Mono Twp.												
Dufferin Co.												
St. Catharines -	Hg.	White Crappie	-	A	A	A	A	B	-	-	-	-
Water Intake Canal												
4310/7915												
Niagara R.M.												
MOE Southwestern Region:												
Sydenham River	Hg.	Northern Pike	-	-	-	-	A	A	A	A	-	-
(Dresden to	Hg., PCB, Mirex	Walleye	-	-	-	-	A	A	A	-	-	-
Tupperville)	Hg., PCB,											
4235/8211	Mirex, Pest.	Black Crappie	-	A	A	A	B	D	-	-	-	-
Camden & Chatham Twps.	"	White Bass	-	A	A	A	B	D	-	-	-	-
Kent Co.	Hg., PCB, Mirex	Redhorse Sucker	-	-	-	-	A	A	A	-	-	-

LAKE LOCATION CO-ORDINATES	CONTAMINANTS SAMPLED	SPECIES	SIZE RANGE IN CENTIMETRES (INCHES) <15 (< 6)	15-20 (6-8)	20-25 (8-10)	25-30 (10-12)	30-35 (12-14)	35-45 (14-18)	45-55 (18-22)	55-65 (22-26)	65-75 (26-30)	>75 (>30)
MOE Northeastern Region:												
Bacon Lake 4553/7921 Laurier Twp. Parry Sound Dist.	Hg.	Lake Trout	-	-	-	-	A	A	A	B	B	-
Bauldry (Scott) Lake 4806/8439 Esquega Twp. Algoma Dist.	Hg., PCB, Mirex, Pest.	Lake Trout	-	-	A	A	A	A	A	A	-	-
Bowland Lake 4705/8050 Howey Twp. Sudbury Dist.	Hg., other metals	Lake Trout	A	A	A	A	A	A	A	A	-	-
Crosswise Lake 4724/7939 Coleman Twp. Timiskaming Dist.	Hg., other metals, PCB	Smallmouth Bass	-	-	B	B	B	C	-	-	-	-
	Hg., other metals	Yellow Perch	A	B	C	D	-	-	-	-	-	-
	Hg.	Pumpkinseed	B	-	-	-	-	-	-	-	-	-
	Hg., other metals, PCB	White Sucker	-	A	A	A	B	-	-	-	-	-
	"	Northern Pike	-	-	-	-	A	B	B	C	C	-
Goulais Lake 4710/8340 Hoffman & Butcher Twps. Algoma Dist.	Hg., PCB, Mirex, Pest.	Lake Trout	-	-	-	A	B	C	-	-	-	-
	"	Speckled Trout	-	-	A	A	B	-	-	-	-	-
Hungry Lake 4532/7902 Bethune Twp. Parry Sound Dist.	Hg.	Speckled Trout	-	-	-	A	A	B	-	-	-	-
Lake Lavieille 4551/7814 Anglin & Dickson Twps. Nipissing Dist.	Hg., other metals	Speckled Trout	A	A	A	A	A	A	-	-	-	-
	Hg., other metals	Whitefish	-	-	A	A	A	A	-	-	-	-
	Hg., other metals	Lake Trout	-	-	-	-	A	A	B	D	-	-
Megisan Lake 4715/8332 Carton & Ewan Twps. Sudbury & Algoma Dists.	Hg., PCB, Mirex, Pest.	Lake Trout	-	-	-	A	A	B	B	C	-	-
Red Deer Lake 4553/7914 Laurier Twp. Parry Sound Dist.	Hg.	Speckled Trout	-	A	A	A	A	-	-	-	-	-
Saddle Lake 4657/8347 Lamming Twp. Algoma Dist.	Hg., PCB, Mirex, Pest.	Speckled Trout	-	-	A	A	A	A	-	-	-	-
Timberwolf Lake 4541/7848 Hunter Twp. Nipissing Dist.	Hg., other metals	Lake Trout	-	-	-	A	B	B	B	B	B	-
	Hg., other metals	Yellow Perch	A	A	A	B	-	-	-	-	-	-
Whitewater Lake 4632/8109 Rayside & Snider Twps. Sudbury Dist.	Hg., other metals	Brown Bullhead	A	A	A	A	A	-	-	-	-	-
	Hg., other metals	Northern Pike	-	-	-	-	-	A	A	A	A	-
MOE Northwestern Region:												
Apungsisagen (Lower Steeprock) Lake 4846/9141 Freeborn Twp. Rainy River Dist.	Hg., PCB, Mirex, Pest.	Walleye	-	-	-	-	B	B	C	D	-	-
	"	Northern Pike	-	-	-	-	A	A	B	B	C	-
Ara Lake 5033/8728 Thunder Bay Dist.	Hg.	Walleye	-	-	-	-	A	A	A	B	B	-
	Hg.	Northern Pike	-	-	-	-	-	-	-	A	A	-
Rainy Lake (Brule Narrows) 4836/9255 Rainy River Dist.	Hg., PCB, Mirex, Pest.	Whitefish	-	-	-	-	A	A	A	-	-	-
	Hg., PCB, Mirex, Pest., 2,3,7,8-TCDD	Walleye	-	-	-	-	-	B	C	-	-	-
Rainy River (Downstream of Fort Frances) 4836/9328 Rainy River Dist.	Hg., PCB, Mirex, Pest.	White Sucker	-	-	-	-	-	A	A	A	-	-
	"	Smallmouth Bass	-	-	-	A	A	B	-	-	-	-
	Hg., PCB, Mirex, Pest., 2,3,7,8-TCDD	Walleye	-	-	-	-	A	B	-	-	-	-
Rainy River (Long Sault Rapids) 4838/9405 Rainy River Dist.	Hg., PCB, Mirex, Pest., 2,3,7,8-TCDD	Walleye	-	-	-	-	-	A	A	-	-	-
	Hg., PCB, Mirex, Pest.	White Sucker	-	-	-	-	-	A	A	-	-	-

LAKE LOCATION CO-ORDINATES	CONTAMINANTS SAMPLED	SPECIES	SIZE RANGE IN CENTIMETRES (INCHES) <15 (< 6)	15-20 (6-8)	20-25 (8-10)	25-30 (10-12)	30-35 (12-14)	35-45 (14-18)	45-55 (18-22)	55-65 (22-26)	65-75 (26-30)	>75 (>30)
MOE Northwestern Region Con't:												
Werner Lake	Hg., PCB,											
5027/9454	Mirex, Pest.	Walleye	-	-	B	B	B	C	D	D	D	-
Kenora Dist.	"	Northern Pike	-	-	-	A	A	B	C	D	D	D
	"	Whitefish	-	-	-	-	A	A	A	-	-	-
	Hg.	White Sucker	-	-	-	-	A	A	B	-	-	-
White River	Hg.	Walleye	-	-	-	-	B	B	C	-	-	-
(at Frank Creek)												
4838/8546												
Brothers Twp.												
Thunder Bay Dist.												
Lake of the Woods	Hg., PCB, Mirex	Yellow Perch	-	-	A	A	B	-	-	-	-	-
(Four Mile Bay)	Hg., PCB,											
4853/9440	Mirex, Pest.	White Sucker	-	-	-	A	A	A	A	-	-	-
Kenora Dist.	"	Northern Pike	-	-	-	-	-	A	A	A	B	-
	Hg., PCB, Mirex, Pest., 2,3,7,8-TCDD	Walleye	-	-	-	-	A	A	A	-	-	-
Great Lakes:												
St. Lawrence River	PCB, Mirex	Channel Catfish	-	-	-	-	-	X	X	X	-	-
(Lake Ontario #5)	Hg., PCB,											
(Landon's Bay)	Mirex, Pest.	Smallmouth Bass	-	-	A	A	A	B	-	-	-	-
4421/7604	Hg., other metals,											
Leeds Co.	PCB, Mirex, Pest.	Northern Pike	-	-	-	-	-	A	A	B	B	C
St. Lawrence River	Hg., other metals,											
(Lake Ontario #5)	PCB, Mirex, Pest.	Yellow Perch	-	A	A	B	-	-	-	-	-	-
(Lily Bay)	"	Northern Pike	-	-	-	-	-	A	A	B	B	C
4434/7544	"	Smallmouth Bass	-	-	A	A	B	B	-	-	-	-
Elizabethtown Twp.	"	White Sucker	-	-	-	A	A	A	B	-	-	-
Leeds Co.	"	Brown Bullhead	-	-	A	A	A	-	-	-	-	-
	"	Carp	-	-	-	-	-	-	-	-	A	A
St. Lawrence River	Hg., other metals,											
(Lake Ontario #5)	PCB, Mirex, Pest.	White Sucker	-	-	-	-	-	A	B	-	-	-
(Johnstown)	"	Northern Pike	-	-	-	-	-	A	A	B	B	-
4444/7528	"	Brown Bullhead	-	-	A	A	A	B	-	-	-	-
Edwardsburgh Twp.	"	Yellow Perch	-	-	A	B	C	-	-	-	-	-
Grenville Co.	Hg., PCB,											
	Mirex, Pest.	Carp	-	-	-	-	-	-	-	-	A	X
St. Lawrence River	Hg., PCB,											
(Lake Ontario #7)	Mirex, Pest.	Walleye	-	-	-	-	A	B	B	D	D	D
(Lake St. Francis)	"	Northern Pike	-	-	-	A	A	A	A	B	B	C
4508/7425	"	Sturgeon	-	-	-	-	-	-	X	X	X	X
Glengarry Co.	"	Yellow Perch	A	A	A	B	-	-	-	-	-	-
	"	Channel Catfish	-	-	-	-	X	X	X	X	-	-
	"	White Sucker	-	-	-	-	A	A	B	B	-	-
	"	Pumpkinseed	A	A	-	-	-	-	-	-	-	-
	"	Brown Bullhead	-	-	A	A	A	-	-	-	-	-
	"	Smallmouth Bass	-	-	-	A	B	B	C	-	-	-
Lake Erie #2 & 3	Hg., PCB,											
(Central Basin)	Mirex, Pest.	Channel Catfish	-	-	-	A	A	X	-	-	-	-
4237/8107	"	White Bass	-	A	A	A	A	A	-	-	-	-
	"	Coho	-	-	A	A	A	A	A	A	A	-
	Hg.	White Sucker	-	-	-	A	A	A	A	-	-	-
	Hg.	Freshwater Drum	-	-	-	A	A	B	C	-	-	-
	Hg., PCB,											
	Mirex, Pest.	Walleye	-	-	-	A	A	A	A	A	A	-
	"	Rainbow Smelt	A	A	-	-	-	-	-	-	-	-
	Hg.	Yellow Perch	-	A	A	-	-	-	-	-	-	-
	Hg.	White Perch	-	A	A	-	-	-	-	-	-	-
Lake Erie #5	Hg.	Yellow Perch	A	A	A	A	A	-	-	-	-	-
(Eastern Basin)	Hg., PCB,											
4245/7915	Mirex, Pest.	Coho	-	-	-	A	A	A	A	A	A	-
	"	Walleye	-	-	A	A	A	A	A	A	A	-
	Hg.	Smallmouth Bass	A	A	A	A	A	B	B	-	-	-
	Hg.	Northern Pike	-	-	-	-	-	A	A	A	B	B
	Hg., PCB,											
	Mirex, Pest.	White Bass	-	-	A	A	A	A	-	-	-	-
	"	Lake Trout	-	-	-	A	A	A	A	-	-	-
Lake Huron #H4	Hg., other metals,											
(Goderich)	PCB, Mirex, Pest.	Longnose Sucker	-	-	-	-	A	A	B	-	-	-
4345/8143												
Goderich Twp.												
Huron Co.												

LAKE LOCATION CO-ORDINATES	CONTAMINANTS SAMPLED	SPECIES	SIZE RANGE IN CENTIMETRES (INCHES) <15 / <6	15-20 / 6-8	20-25 / 8-10	25-30 / 10-12	30-35 / 12-14	35-45 / 14-18	45-55 / 18-22	55-65 / 22-26	65-75 / 26-30	>75 / >30
Great Lakes Con't:												
Lake Huron #H5 (Point Edward to Grand Bend) 4310/8210 Lambton Co.	Hg., PCB, Mirex, Pest.	Coho	-	-	-	-	A	A	A	A	B	X
	"	Smallmouth Bass	-	-	A	A	B	B	C	-	-	-
	"	Yellow Perch	-	A	A	A	B	-	-	-	-	-
	"	Brown Trout	-	-	-	-	-	A	A	A	-	-
	"	Rainbow Trout	-	-	-	-	A	A	A	A	A	-
	Hg., PCB, Mirex, Pest., 2,3,7,8-TCDD	Lake Trout	-	-	-	-	-	-	A	A	X	X
	Hg.	Freshwater Drum	-	-	-	A	A	B	C	-	-	-
	Hg., PCB, Mirex, Pest.	Chinook	-	-	-	-	-	-	A	A	A	A
	Hg.	Longnose Sucker	-	-	A	A	A	A	A	-	-	-
	Hg., PCB, Mirex, Pest.	Carp	-	-	-	-	-	-	A	B	X	X
	"	Walleye	-	-	-	A	A	A	B	C	D	-
	"	Whitefish	-	-	-	-	-	A	A	-	-	-
	Hg., PCB, Mirex, Pest., 2,3,7,8-TCDD	White Bass	-	-	A	A	B	C	-	-	-	-
	"	Channel Catfish	-	-	-	-	-	A	X	X	X	-
	Hg.	Rainbow Smelt	A	A	-	-	-	-	-	-	-	-
	Hg., PCB, Mirex, Pest.	Bloater	-	-	A	A	-	-	-	-	-	-
	"	Ling	-	-	-	-	-	A	A	B	B	B
	"	Pink Salmon	-	-	-	-	-	A	A	A	-	-
	Hg., other metals PCB, Mirex, Pest.	White Sucker	-	-	-	A	A	A	C	-	-	-
Georgian Bay GB #4 (Pyette Point to Cape Commodore) 4445/8053 Keppel Twp. Grey Co.	Hg., PCB, Mirex, Pest.	Rainbow Trout	-	-	-	-	-	A	A	A	A	-
	"	Ling	-	-	-	-	A	A	B	C	-	-
Georgian Bay GB #4 (Collingwood Harbour) 4429/8013 Collingwood Twp. Crey Co.	Hg., PCB, Mirex, Pest.	Yellow Perch	-	-	A	A	A	B	-	-	-	-
Lake Superior #1 (Pie Island) 4813/8900 Thunder Bay Dist.	Hg., PCB, Mirex, Pest.	Lake Trout	-	-	-	A	A	A	A	A	B	-
	Hg., PCB, Mirex	Siscowet	-	-	-	-	-	A	B	B	X	X
	"	Whitefish	-	-	-	-	-	A	A	-	-	-
Lake Superior #1 (Welcome Islands) 4822/8908 Thunder Bay Dist.	Hg., PCB, Mirex, Pest.	Lake Trout	-	-	-	-	A	A	A	B	B	X
Lake Superior #7 (Goulais Bay) 4643/8430 Algoma Dist.	Hg., PCB, Mirex, Pest.	Walleye	-	-	-	-	-	A	B	D	D	-
	Hg.	Northern Pike	-	-	-	-	-	-	A	A	A	A
	Hg., PCB, Mirex, Pest.	Yellow Perch	-	A	A	-	-	-	-	-	-	-

ENVIRONMENT ONTARIO BULLETIN

October 1985

ENVIRONMENTAL HEALTH BULLETIN

Ontario's Fish Contaminants Information Program

Environment Ontario issues bulletins on a routine basis to provide Ontario residents with up-to-date information on the results of fish collected and tested for contaminants such as mercury and PCB.

This bulletin contains information on fish collected from 46 watercourses and supplements the information on about 1348 lakes and rivers contained in the "Guide to Eating Ontario Sport Fish" booklet published in May, 1985 and subsequent Environmental Health Bulletins.

For each lake, the individual fish species tested are categorized according to size and contaminant concentration. Safe consumption limits can be determined by consulting the following "Fish Consumption Guidelines" table.

FISH CONSUMPTION GUIDELINES

(Expressed in meals per week or month with a meal consisting of an 8-ounce portion)

CATEGORY	LENGTH OF FISHING VACATION			
	ONE WEEK	TWO WEEKS	THREE WEEKS	LONG-TERM CONSUMERS *
A	← NO RESTRICTIONS →			
B	10 Meals/Week	5 Meals/Week	4 Meals/Week	1 Meal/Week
C	7 Meals/Week	4 Meals/Week	3 Meals/Week	3 Meals/Month
D	← NO CONSUMPTION →			
X	1 or 2 Meals/Week	1 or 2 Meals/Week	1 or 2 Meals/Week	1 or 2 Meals/Month

\- indicates that fish from these size ranges were not collected and consumption guidelines are not available.

* For the purpose of these guidelines, those people who fish on and off for part of the year exceeding three weeks are considered long-term consumers.

NOTE: WOMEN OF CHILDBEARING AGE AND CHILDREN UNDER 15 YEARS OF AGE SHOULD EAT ONLY FISH FROM THE "A" CATEGORY.

The recommended maximum consumption levels depend upon the period of time over which fish are consumed (1 week, 2 weeks, etc.) and the contaminant concentration in the fish. The categories A, B, C, and D in the above guideline represent levels of mercury from less than 0.5 parts per million (A) to over 1.5 parts per million (D). Fish categorized as "X" contain one or more organic contaminants (PCB, DDT, mirex, or 2,3,7,8-TCDD) at concentrations exceeding federal, unrestricted consumption guidelines.

To determine the recommended level of consumption of a given fish:

1. Identify the species.

2. Measure the length of the fish from the tip of the tail to the tip of the nose.

3. Check the lake table for the appropriate lake.

4. Note the category letter for the particular fish you are checking.

5. Determine the consumption recommendations from the "Fish Consumption Guidelines" table above.

As well as the lake name and its geographical location, the table includes the species of fish collected and the contaminants sampled for (e.g. Hg-mercury) and the level of contaminant in fish of each size caught as represented by a category letter defined above.

For any given fish and location, the fact that analysis was performed for a specific contaminant does not necessarily indicate that it was detected.

Booklets entitled "Guide to Eating Ontario Sport Fish", outlining the facts about fish contamination and the resultant health implications are now available from local offices of the ministries of the Environment and Natural Resources and in northern Ontario, the Ministry of Northern Affairs. For information concerning specific waterbodies and fish species, these local offices should be contacted.

The Ontario Government is continuing to sample fish from many lakes throughout the Province. As further information on additional waterbodies becomes available, listings will be made available to the media and data can be obtained from the local offices of the ministries of the Environment and Natural Resources.

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(Version française disponible)

LAKE LOCATION CO-ORDINATES	CONTAMINANTS SAMPLED	SPECIES	SIZE RANGE IN CENTIMETRES (INCHES) <15 (< 6)	15-20 (6-8)	20-25 (8-10)	25-30 (10-12)	30-35 (12-14)	35-45 (14-18)	45-55 (18-22)	55-65 (22-26)	65-75 (26-30)	>75 (>30)
Central Region:												
Lower Paudash Lake 4458/7801 Cardiff Twp. Haliburton Co.	Hg.	Smallmouth Bass	-	A	A	A	A	B	B	-	-	-
Pusey Lake 4503/7813 Cardiff Twp. Haliburton Co.	Hg.	Smallmouth Bass	-	-	A	A	A	-	-	-	-	-
Rice Lake 4412/7810 Peterborough Co.	Hg., PCB, Mirex, Pest.	Walleye	-	-	A	A	A	A	A	B	B	-
	"	Yellow Perch	A	A	A	A	A	-	-	-	-	-
	"	Largemouth Bass	-	-	A	A	A	A	B	-	-	-
	"	Brown Bullhead	-	A	A	A	A	A	-	-	-	-
	"	Carp	-	-	A	A	A	A	A	A	A	X
Lake Scugog 4410/7850 Durham R.M.	Hg., PCB, Mirex, Pest.	Yellow Perch	A	A	A	A	A	-	-	-	-	-
	"	Walleye	-	A	A	A	A	A	A	A	A	-
	"	Smallmouth Bass	-	A	A	A	A	A	A	-	-	-
Southwestern Region:												
Mountain Lake 4443/8041 St. Vincent Twp. Grey Co.	Hg.	Walleye	-	-	A	A	A	A	B	B	-	-
	Hg., PCB, Mirex, Pest.	Smallmouth Bass	-	-	-	A	A	B	-	-	-	-
Northeastern Region:												
Abitibi River (Island Falls) 4935/8123 Cochrane Dist.	Hg.	Northern Pike	-	-	-	-	B	B	C	C	D	D
	Hg.	Walleye	-	-	-	-	D	D	D	D	D	-

			75-90 (30-35)	90-100 (35-40)	100-115 (40- 45)	115-150 (45- 60)
	Hg., PCB, Mirex, Pest.	Sturgeon	B	B	B	B

Bauldry (Scott) Lake 4806/8439 Esquega Twp. Algoma Dist.	Hg.	Lake Trout	-	-	A	A	A	A	A	A	-	-
Elliot Lake 4623/8242 Bolger & Gunterman Tps. Algoma Dist.	Hg., PCB, Mirex, Pest.	Lake Trout	-	-	-	A	A	A	B	B	B	-
	Hg.	Cisco	-	A	A	A	-	-	-	-	-	-
	Hg.	Whitefish	-	-	-	-	-	-	A	A	-	-
	Hg., PCB, Mirex, Pest.	Smallmouth Bass	A	A	A	A	A	B	-	-	-	-
Goulais Lake 4710/8340 Hoffman & Butcher Twps. Algoma Dist.	Hg.	Lake Trout	-	-	-	A	B	C	-	-	-	-
	Hg.	Speckled Trout	-	-	A	A	B	-	-	-	-	-
Megisan Lake 4715/8332 Algoma & Sudbury Dists.	Hg.	Lake Trout	-	-	-	A	A	B	B	C	-	-
Saddle Lake 4657/8347 Lamming Twp. Algoma Dist.	Hg.	Speckled Trout	-	-	A	A	A	A	-	-	-	-
Lake Timiskaming 4652/7915 Timiskaming Dist.	Hg.	Northern Pike	-	-	-	-	-	A	B	B	C	-
	Hg.	Walleye	A	A	A	B	B	B	C	-	-	-
	Hg.	Cisco	-	-	A	A	A	A	-	-	-	-
	Hg.	Sauger	A	A	A	B	B	C	-	-	-	-
	Hg.	Mooneye	-	-	A	A	A	-	-	-	-	-
	Hg., PCB, Mirex	Ling	-	-	-	-	-	B	B	C	D	-
Northwestern Region:												
Abamasagi Lake 5028/8715 Thunder Bay Dist.	Hg.	Whitefish	-	-	-	-	-	A	A	-	-	-
	Hg.	Walleye	-	-	-	-	-	A	B	C	D	-

LAKE LOCATION CO-ORDINATES	CONTAMINANTS SAMPLED	SPECIES	SIZE RANGE IN CENTIMETRES (INCHES) <15 <6	15-20 6-8	20-25 8-10	25-30 10-12	30-35 12-14	35-45 14-18	45-55 18-22	55-65 22-26	65-75 26-30	>75 >30
Northwestern Region Con't:												
Aegean Lake	Hg., PCB,											
5049/9448	Mirex, Pest.	Lake Trout	-	-	-	-	-	B	C	D	D	-
Kenora Dist.	"	Northern Pike	-	-	-	-	-	A	A	B	C	-
	"	Whitefish	-	-	-	-	A	A	A	-	-	-
Apungsisagen	Hg.	Walleye	-	-	-	-	B	B	C	D	-	-
(Lower Steeprock) Lake	Hg.	Northern Pike	-	-	-	-	A	A	B	B	C	C
4846/9141												
Freeborn Twp.												
Rainy River Dist.												
Clay Lake	Hg., PCB,											
5003/9330	Mirex, Pest.	Walleye	-	-	D	D	D	D	D	D	D	D
Redvers Twp.	"	Northern Pike	-	B	B	C	D	D	D	D	D	D
Kenora Dist.	"	Whitefish	-	-	B	B	B	B	B	-	-	-
Deer Lake	Hg.	Walleye	-	-	-	-	-	B	C	D	-	-
(east end)	Hg.	Northern Pike	-	-	-	-	-	-	B	B	-	-
5237/9406												
Kenora Dist.												
Deer Lake	Hg.	Walleye	-	-	A	A	A	B	C	-	-	-
(west end)												
5237/9425												
Kenora Dist.												
Ghost (Talon) Lake	Hg., PCB,											
5043/9445	Mirex, Pest.	Lake Trout	-	-	A	A	A	B	B	C	D	-
Kenora Dist.	"	Whitefish	-	-	A	A	A	A	A	-	-	-
	Hg.	White Sucker	-	A	A	A	A	A	A	-	-	-
Gooseneck Lake	Hg.	Lake Trout	-	-	-	A	A	A	B	B	C	C
5002/9448	Hg., PCB,											
Kenora Dist.	Mirex, Pest.	Northern Pike	-	-	-	A	A	A	B	B	C	D
	Hg.	Cisco	A	A	B	-	-	-	-	-	-	-
	Hg.	Smallmouth Bass	-	-	A	B	B	C	D	-	-	-
	Hg.	White Sucker	-	A	A	A	A	A	A	A	-	-
	Hg.	Redhorse Sucker	-	-	-	-	A	A	A	-	-	-
Gordon Lake	Hg., PCB,											
5028/9455	Mirex, Pest.	Walleye	-	-	A	A	B	B	C	C	-	-
Kenora Dist.	"	Whitefish	-	-	-	-	-	-	A	A	-	-
	Hg.	Cisco	-	A	A	A	A	-	-	-	-	-
	Hg., PCB, Mirex, Pest.	Northern Pike	-	-	-	-	-	A	B	B	-	-
Grant Lake	Hg., PCB,											
5026/9456	Mirex, Pest.	Walleye	-	A	A	B	B	B	C	C	-	-
Kenora Dist.	"	Northern Pike	-	-	A	A	A	B	C	C	D	D
	Hg.	White Sucker	-	-	A	A	A	A	A	-	-	-
	Hg.	Cisco	-	-	-	-	A	A	-	-	-	-
Herrick Lake	Hg.	White Sucker	-	-	-	-	-	A	A	B	-	-
4835/8556	Hg., other metals	Whitefish	-	-	-	A	A	A	A	-	-	-
Thunder Bay Dist.	Hg., other metals	Walleye	-	-	B	B	B	C	D	D	-	-
	Hg., other metals	Northern Pike	-	-	-	-	-	A	B	C	D	D
North Scot Lake	Hg., PCB,											
4959/9503	Mirex, Pest.	Walleye	-	A	A	A	A	B	-	-	-	-
Noyon Twp.	"	Northern Pike	-	-	-	-	-	A	A	B	B	C
Kenora Dist.	Hg.	White Sucker	-	-	-	-	-	A	A	A	-	-
Osinawi Lake	Hg.	Northern Pike	-	-	-	-	-	-	A	A	A	-
4848/9123												
McCaul Twp.												
Rainy River Dist.												
O'Sullivan Lake	Hg.	Northern Pike	-	-	-	-	A	A	A	A	B	B
5025/8702	Hg.	Walleye	-	-	-	A	A	A	B	B	B	-
Thunder Bay Dist.	Hg.	Whitefish	-	-	-	-	A	A	A	-	-	-
	Hg.	Lake Trout	-	-	-	-	-	-	-	A	B	C
Sapawe Lake	Hg.	Walleye	-	-	A	A	A	B	B	B	B	-
4846/9121	Hg.	Northern Pike	-	-	-	-	A	A	A	B	-	-
McCaul & Hutchinson Twps.	Hg.	Cisco	-	-	-	-	-	A	-	-	-	-
Rainy River Dist.												
Separation Lake	Hg.	Redhorse Sucker	-	-	-	-	B	C	D	D	D	-
5014/9424	Hg.	Northern Pike	-	-	-	A	B	C	C	D	D	D
Kenora Dist.	Hg.	Mooneye	-	A	A	B	C	D	-	-	-	-
	Hg.	Walleye	-	B	B	C	C	D	D	D	D	D
	Hg.	Whitefish	-	-	A	A	A	A	A	A	-	-
	Hg.	Cisco	A	A	A	A	A	B	-	-	-	-
	Hg.	Sauger	-	C	D	D	D	D	-	-	-	-
	Hg.	White Sucker	-	-	-	A	B	B	-	-	-	-
	Hg.	Ling	-	-	-	-	B	B	C	-	-	-
	Hg.	Yellow Perch	-	C	D	-	-	-	-	-	-	-

LAKE LOCATION CO-ORDINATES	CONTAMINANTS SAMPLED	SPECIES	SIZE RANGE IN CENTIMETRES (INCHES) <15 <6	15-20 6-8	20-25 8-10	25-30 10-12	30-35 12-14	35-45 14-18	45-55 18-22	55-65 22-26	65-75 26-30	>75 >30
Northwestern Region Con't:												
Silver Fox Lake	Hg, PCB,											
5036/9448	Mirex, Pest.	Walleye	-	-	B	B	B	C	D	-	-	-
Kenora Dist.	Hg.	White Sucker	-	-	A	A	A	A	B	-	-	-
	Hg.	Cisco	-	A	A	A	A	A	-	-	-	-
	Hg., PCB, Mirex, Pest.	Northern Pike	-	-	-	-	A	B	C	D	D	D
Snook Lake	Hg., PCB,											
5012/9441	Mirex, Pest.	Northern Pike	-	-	-	-	A	A	B	C	D	D
Kenora Dist.	"	Lake Trout	-	-	A	A	A	B	B	C	C	-
	Hg.	Cisco	-	A	B	C	C	-	-	-	-	-
	Hg.	White Sucker	-	-	A	A	A	A	A	-	-	-
South Scot Lake	Hg., PCB,											
4956/9503	Mirex, Pest.	Walleye	-	-	A	A	A	B	-	-	-	-
Noyon Twp.	"	Northern Pike	-	-	-	-	-	A	A	A	-	-
Kenora Dist.	Hg.	White Sucker	-	-	A	A	A	A	A	-	-	-
Spangle Lake	Hg., other metals	Walleye	-	-	A	A	B	B	B	-	-	-
4837/8553	Hg., other metals	Northern Pike	-	-	-	-	A	B	B	C	C	D
Bomby Twp. Thunder Bay Dist.												
Tetu Lake	Hg.	Walleye	-	A	A	B	B	B	C	C	D	D
5011/9502	Hg.	Northern Pike	-	-	-	-	A	B	B	B	C	C
Kenora Dist.	Hg.	Sauger	-	C	C	D	D	D	-	-	-	-
	Hg.	Cisco	A	A	A	A	A	C	-	-	-	-
	Hg.	White Sucker	-	-	-	B	B	C	-	-	-	-
	Hg.	Sturgeon	-	-	-	-	-	-	-	-	-	D
	Hg.	Whitefish	-	-	-	-	-	A	A	A	-	-
Trapline Lake	Hg., PCB,											
5030/9457	Mirex, Pest.	Northern Pike	-	-	-	-	A	A	A	B	B	B
Kenora Dist.	"	Walleye	-	-	A	A	A	B	B	C	D	D
	"	White Sucker	-	-	-	A	A	A	A	A	-	-
	Hg.	Cisco	-	-	A	A	A	-	-	-	-	-
Trout Lake	Hg., PCB,											
(near Whitedog)	Mirex, Pest.	Lake Trout	-	-	-	A	A	A	B	B	B	C
5014/9454	"	Northern Pike	-	-	-	A	A	A	B	B	D	-
Kenora Dist.	Hg.	Cisco	-	A	A	A	-	-	-	-	-	-
Unnamed Lake	Hg., PCB,											
(south of Silver Fox	Mirex, Pest.	Walleye	-	A	A	B	B	C	-	-	-	-
Lake)	"	Northern Pike	-	-	-	-	-	-	B	C	D	D
5033/9449	Hg.	Cisco	-	-	A	A	A	B	-	-	-	-
Kenora Dist.	Hg.	White Sucker	-	-	-	-	-	A	B	C	-	-
Walleye Lake	Hg., PCB,											
5034/9446	Mirex, Pest.	Walleye	-	A	B	B	B	C	D	D	D	-
Kenora Dist.	"	Northern Pike	-	-	-	-	-	B	C	D	D	D
	Hg.	White Sucker	-	-	A	A	A	A	B	-	-	-
Wilson Lake	Hg., PCB,											
5030/9502	Mirex, Pest.	Walleye	-	-	-	-	-	B	B	C	-	-
Kenora Dist.	"	Lake Trout	-	-	-	-	-	B	B	-	-	-
	"	Northern Pike	-	-	-	-	-	-	-	B	C	-
	"	White Sucker	-	A	A	A	A	A	A	A	-	-
Great Lakes:												
Lake Ontario #1	Hg., other metals											
(Jordan Harbour	PCB, Mirex, Pest,											
to Port Weller)	2,3,7,8-TCDD	Brown Trout	-	-	-	-	-	A	X	X	X	X
4312/7919												
Niagara R.M.	Hg., PCB, Mirex, Pest., 2,3,7,8-TCDD	White Bass	-	-	A	A	A	B	-	-	-	-
	Hg., PCB,											
	Mirex, Pest.	Brown Bullhead	-	A	A	A	A	A	-	-	-	-
	"	Gizzard Shad	-	-	-	-	A	A	-	-	-	-
	"	Yellow Perch	-	A	A	A	A	-	-	-	-	-
	"	Channel Catfish	-	-	-	A	A	A	X	X	-	-
	Hg., PCB, Mirex, Pest., 2,3,7,8-TCDD	Coho	-	-	-	A	A	A	A	A	-	-
	"	Lake Trout	-	-	-	-	-	X	X	X	X	-
	"	Rainbow Trout	-	-	-	-	A	A	A	A	A	X
	Hg., PCB,											
	Mirex, Pest.	Freshwater Drum	-	-	-	A	A	A	A	-	-	-
	"	Carp	-	-	-	-	-	A	A	A	X	X
	"	Northern Pike	-	-	-	-	-	A	A	A	A	-
	Hg., other metals PCB, Mirex, Pest.	Rainbow Smelt	A	A	-	-	-	-	-	-	-	-

LAKE LOCATION CO-ORDINATES	CONTAMINANTS SAMPLED	SPECIES	SIZE RANGE IN CENTIMETRES (INCHES) <15 <6	15-20 6-8	20-25 8-10	25-30 10-12	30-35 12-14	35-45 14-18	45-55 18-22	55-65 22-26	65-75 26-30	>75 >30
Great Lakes Con't:												
Lake Ontario #1 (Bronte Creek) 4324/7943 Halton R.M.	Hg., PCB, Mirex, Pest., 2,3,7,8-TCDD	Chinook	-	-	-	-	-	-	X	X	X	X
	Hg., other metals PCB, Mirex, Pest.	Rainbow Smelt	A	A	-	-	-	-	-	-	-	-
	Hg., PCB, Mirex, Pest., 2,3,7,8-TCDD	Coho	-	-	-	-	-	X	X	X	X	X
	Hg., PCB, Mirex, Pest.	Rainbow Trout	-	-	-	-	-	-	A	X	X	-
Lake Ontario #2 (Oshawa area) 4350/7848 Durham R.M.	PCB, Mirex, Pest.	Rainbow Trout	-	-	-	-	-	-	-	X	X	X
Lake Huron #H1 (Burnt Island) 4549/8257 Manitoulin Dist.	Hg., PCB, Mirex, Pest.	Lake Trout	-	-	-	-	A	A	A	A	-	-
	"	Carp	-	-	-	-	-	-	A	A	X	X
	"	Channel Catfish	-	-	-	-	-	A	A	B	B	-
Lake Huron #H3 (Stokes Bay) 4458/8123 Eastnor Twp. Bruce Co.	Hg., PCB, Mirex, Pest.	Carp	-	-	-	-	-	-	A	A	X	X
Lake Huron #H3 (Fishing Islands) 4447/8119 Bruce Co.	Hg., PCB, Mirex, Pest.	Chinook	-	-	A	A	A	A	A	A	A	A
	"	Coho	-	-	-	-	-	-	A	A	-	-
	"	Brown Trout	-	-	-	-	-	A	A	A	A	-
	"	Smallmouth Bass	-	-	A	A	A	-	-	-	-	-
	"	Cisco	-	A	A	A	A	A	-	-	-	-
	"	Round Whitefish	-	-	A	A	A	A	A	-	-	-
	"	Ling	-	-	-	A	A	A	A	B	-	-
	"	Yellow Perch	A	A	A	A	B	-	-	-	-	-
	Hg.	White Sucker	-	-	A	A	A	A	A	-	-	-
	PCB, Mirex	Rainbow Trout	-	-	-	A	A	A	A	A	A	-
	Hg., PCB, Mirex, Pest.	Carp	-	-	-	-	-	-	A	A	X	X
	"	Bloater	-	-	A	A	A	-	-	-	-	-
	"	Channel Catfish	-	-	-	-	A	A	A	B	-	-
Lake Huron #H3 (Douglas Point, Saugeen River) 4425/8130 Bruce Co.	PCB, Mirex, Pest.	Smallmouth Bass	-	-	A	A	A	A	X	-	-	-
	Hg., PCB, Mirex, Pest.	Rainbow Trout	-	-	-	A	A	A	A	A	X	X
	"	Chinook	-	-	-	-	X	X	X	-	-	-
	"	White Sucker	-	-	-	-	A	A	B	-	-	-
	"	Northern Pike	-	-	-	-	-	A	A	A	A	A
	"	Carp	-	-	-	-	-	-	A	A	X	X
Lake Huron #H5 (Point Edward to Grand Bend) 4310/8210 Lambton Co.	Hg., PCB, Mirex, Pest.	Coho	-	-	-	-	A	A	A	A	B	X
	"	Smallmouth Bass	-	-	A	A	B	B	C	-	-	-
	"	Yellow Perch	-	A	A	A	B	-	-	-	-	-
	"	Brown Trout	-	-	-	-	-	A	A	A	-	-
	"	Rainbow Trout	-	-	-	-	A	A	A	A	A	-
	Hg., PCB, Mirex, Pest. 2,3,7,8-TCDD	Lake Trout	-	-	-	-	-	-	A	A	X	X
	Hg.	Freshwater Drum	-	-	-	A	A	B	C	-	-	-
	Hg., PCB, Mirex, Pest.	Chinook	-	-	-	-	-	-	A	A	A	A
	Hg.	Longnose Sucker	-	-	A	A	A	A	A	-	-	-
	Hg., PCB, Mirex, Pest.	Carp	-	-	-	-	-	-	A	B	X	X
	"	Walleye	-	-	-	A	A	A	B	C	D	-
	"	Whitefish	-	-	-	-	-	A	A	-	-	-
	Hg., PCB, Mirex, Pest., 2,3,7,8-TCDD	White Bass	-	-	A	A	B	C	-	-	-	-
	"	Channel Catfish	-	-	-	-	-	A	X	X	X	-
	Hg.	Rainbow Smelt	A	A	-	-	-	-	-	-	-	-
	Hg., PCB, Mirex, Pest.	Bloater	-	-	A	A	-	-	-	-	-	-
	"	Ling	-	-	-	-	-	A	A	B	B	B
	"	Pink Salmon	-	-	-	-	-	A	A	A	-	-

ENVIRONMENT ONTARIO BULLETIN

August 1984

ENVIRONMENTAL HEALTH BULLETIN

Ontario's Fish Contaminants Information Program

Environment Ontario issues bulletins on a routine basis to provide Ontario residents with up-to-date information on the results of fish collected and tested for contaminants such as mercury and PCB.

This bulletin contains information on fish collected from 72 watercourses and supplements the information on about 1270 lakes and rivers contained in the "Guide to Eating Ontario Sport Fish" booklets published in May, 1984 and subsequent Environmental Health Bulletins.

For each lake, the individual fish species tested are categorized according to size and contaminant concentration. Safe consumption limits can be determined by consulting the following "Fish Consumption Guidelines" table.

FISH CONSUMPTION GUIDELINES

(Expressed in meals per week or month with a meal consisting of an 8-ounce portion)

CATEGORY	LENGTH OF FISHING VACATION			
	ONE WEEK	TWO WEEKS	THREE WEEKS	LONG-TERM CONSUMERS *
A	← NO RESTRICTIONS →			
B	10 Meals/Week	5 Meals/Week	4 Meals/Week	1 Meal/Week
C	7 Meals/Week	4 Meals/Week	3 Meals/Week	3 Meals/Month
D	← NO CONSUMPTION →			
X	1 or 2 Meals/Week	1 or 2 Meals/Week	1 or 2 Meals/Week	1 or 2 Meals/Month

\- indicates that fish from these size ranges were not collected and consumption guidelines are not available.

* For the purpose of these guidelines, those people who fish on and off for part of the year exceeding three weeks are considered long-term consumers.

NOTE: WOMEN OF CHILDBEARING AGE AND CHILDREN UNDER 15 YEARS OF AGE SHOULD EAT ONLY FISH FROM THE "A" CATEGORY.

The recommended maximum consumption levels depend upon the period of time over which fish are consumed (1 week, 2 weeks, etc.) and the contaminant concentration in the fish. The categories A, B, C, and D in the above guideline represent levels of mercury from less than 0.5 parts per million (A) to over 1.5 parts per million (D). Fish categorized as "X" contain one or more organic contaminants (PCB, DDT, mirex, or 2,3,7,8-TCDD) at concentrations exceeding federal, unrestricted consumption guidelines.

To determine the recommended level of consumption of a given fish:

1. Identify the species.

2. Measure the length of the fish from the tip of the tail to the tip of the nose.

3. Check the lake table for the appropriate lake.

4. Note the category letter for the particular fish you are checking.

5. Determine the consumption recommendations from the "Fish Consumption Guidelines" table above.

As well as the lake name and its geographical location, the table includes the species of fish collected and the contaminants sampled for (e.g. Hg-mercury) and the level of contaminant in fish of each size caught as represented by a category letter defined above.

For any given fish and location, the fact that analysis was performed for a specific contaminant does not necessarily indicate that it was detected.

Booklets entitled "Guide to Eating Ontario Sport Fish", outlining the facts about fish contamination and the resultant health implications are now available from local offices of the ministries of the Environment and Natural Resources and in northern Ontario, the Ministry of Northern Affairs. For information concerning specific waterbodies and fish species, these local offices should be contacted.

The Ontario Government is continuing to sample fish from many lakes throughout the Province. As further information on additional waterbodies becomes available, listings will be made available to the media and data can be obtained from the local offices of the ministries of the Environment and Natural Resources.

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(Version française disponible)

LAKE LOCATION CO-ORDINATES	CONTAMINANTS SAMPLED	SPECIES	SIZE RANGE IN CENTIMETRES (INCHES) <15 <6	15-20 6-8	20-25 8-10	25-30 10-12	30-35 12-14	35-45 14-18	45-55 18-22	55-65 22-26	65-75 26-30	>75 >30
MOE Southeastern Region												
Black Lake	Hg, other metals,											
4446/7618	PCB, Mirex, Pest.	Smallmouth Bass	-	-	A	B	B	B	-	-	-	-
N. Burgess Twp.	"	Northern Pike	-	-	-	-	A	A	B	B	C	-
Lanark Co.	"	Walleye	-	-	-	-	-	A	B	-	-	-
	"	Brown Bullhead	-	-	-	A	A	-	-	-	-	-
Calabogie Lake	Hg, PCB,											
4516/7645	Mirex, Pest.	Walleye	-	-	A	A	A	B	C	D	-	-
Blithfield &	Hg.	Northern Pike	-	-	-	-	-	A	A	B	B	B
Bagot Twps.	Hg, PCB,											
Renfrew Co.	Mirex, Pest.	Smallmouth Bass	-	A	A	B	B	B	-	-	-	-
Lake Dore	Hg, PCB,											
4537/7707	Mirex, Pest.	Smallmouth Bass	-	-	-	A	A	B	C	-	-	-
Wilberforce Twp.	"	Northern Pike	-	-	-	-	A	A	A	B	C	-
Renfrew Co.	"	Yellow Perch	-	A	A	-	-	-	-	-	-	-
Kamaniskeg Lake	Hg, PCB,											
4525/7741	Mirex, Pest.	Lake Trout	-	-	-	-	-	A	B	B	C	D
Bangor & Sherwood Tps.	Hg.	Smallmouth Bass	-	A	A	A	A	B	C	-	-	-
Hastings & Renfrew Cos.	Hg.	Yellow Perch	-	A	A	A	-	-	-	-	-	-
Ottawa River	Hg.	Walleye	-	-	-	-	A	B	B	C	C	-
(Rolphton to	Hg.	Northern Pike	-	-	-	-	-	A	A	B	B	C
Petawawa)	Hg.	Yellow Perch	-	A	A	A	-	-	-	-	-	-
4602/7729	Hg.	Smallmouth Bass	-	-	A	A	A	A	-	-	-	-
Renfrew Co.	Hg.	Cisco	-	-	-	A	A	A	B	-	-	-
	Hg.	Whitefish	-	-	-	A	A	A	A	-	-	-
	Hg.	White Sucker	-	-	-	-	-	A	A	-	-	-
Pike Lake	Hg., other metals,											
4447/7621	PCB, Mirex, Pest.	Walleye	-	-	-	-	A	A	B	B	C	-
N. Burgess Twp.	"	Smallmouth Bass	-	-	A	A	B	B	-	-	-	-
Lanark Co.	"	Brown Bullhead	-	-	-	A	A	-	-	-	-	-
	"	Northern Pike	-	-	-	-	-	-	B	B	B	B
Purdy Lake	Hg.	Smallmouth Bass	-	A	A	A	A	-	-	-	-	-
4521/7744												
Bangor Twp.												
Hastings Co.												
Robinson Lake	Hg.	Smallmouth Bass	A	A	A	A	A	B	-	-	-	-
4455/7743												
Limerick Twp.												
Hastings Co.												
Round Lake	Hg, PCB,											
4538/7730	Mirex, Pest.	Lake Trout	-	-	-	-	-	-	B	C	D	D
Richards &	"	Whitefish	-	-	-	A	A	A	A	A	-	-
Hagarty Twps.	"	Walleye	-	-	-	A	B	B	B	-	-	-
Renfrew Co.	"	Northern Pike	-	-	-	-	-	A	B	B	C	D
Urbach Lake	Hg.	Yellow Perch	-	A	A	B	-	-	-	-	-	-
4450/7749												
Wollaston Twp.												
Hastings Co.												
MOE Central Region												
Bear Lake	Hg, other metals,											
4520/7842	PCB, Mirex, Pest.	Smallmouth Bass	-	-	A	A	B	B	C	-	-	-
Livingstone Twp.	"	Lake Trout	-	-	-	A	A	A	B	-	-	-
Haliburton Co.												
Jordan Lake	Hg.	Yellow Perch	-	A	B	C	-	-	-	-	-	-
4504/7804												
Cardiff Twp.												
Haliburton Co.												
Little Credit River	Hg.	Speckled Trout	A	A	A	-	-	-	-	-	-	-
4350/7953												
Caledon Twp.												
Peel R.M.												
Rebecca Lake	Hg, other metals,											
4526/7902	PCB, Mirex, Pest.	Smallmouth Bass	-	-	-	A	B	B	C	-	-	-
Sinclair Twp.	"	Lake Trout	-	-	-	-	-	-	-	B	C	D
Muskoka D.M.												
MOE West Central Region												
Canagagigue Creek	Hg, PCB,											
(Upstream of Elmira)	Mirex, Pest.,											
4337/8035	2,3,7,8,-TCDD	Rock Bass	A	B	D	-	-	-	-	-	-	-
Woolwich Twp.	"	White Sucker	-	A	A	A	A	-	-	-	-	-
Waterloo R.M.												

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MOE West Central Region cont'd												
Canagagiue Creek (Downstream of Elmira) 4336/8033 Woolwich Twp. Waterloo R.M.	Hg, PCB, Mirex, Pest., 2,3,7,8,-TCDD	White Sucker	A	A	A	A	A	-	-	-		
	"	Rock Bass	A	B	B	-	-	-	-	-	-	-
	Hg, 2,3,7,8,-TCDD	Brown Bullhead	-	-	A	-	-	-	-			
Grand River (Breslau) 4328/8025 Waterloo R.M.	Hg, 2,3,7,8,-TCDD	Smallmouth Bass	A	A	A	A	A	A	-	-		-
	"	Rock Bass	A	A	-	-	-	-	-	-	-	
Grand River (Blair) 4323/8023 Waterloo R.M.	Hg, PCB, Mirex, Pest.	Smallmouth Bass	A	A	A	A	A	A	-	-	-	-
	"	Northern Pike	-	-	-	-	-	A	A	A	B	B
	"	Carp	-	-	-	-	-	A	A	A	B	
Grand River (Wilkes Dam, Brantford) 4308/8016 Brantford Twp. Brant Co.	Hg, PCB, Mirex, Pest.	Smallmouth Bass	-	A	A	A	A	-	-	-	-	-
Speed River (Hespeler) 4326/8019 N. Dumfries Twp. Waterloo R.M.	Hg, PCB, Mirex, Pest.	Northern Pike	-	-	-	-	-	A	A	A	A	-
	"	Smallmouth Bass	-	A	A	A	A	A	-	-	-	
MOE Southwestern Region												
Arran Lake 4429/8115 Arran Twp. Bruce Co.	Hg.	Northern Pike	-	-	-	-	A	A	A	A	-	-
	Hg.	Yellow Perch	A	A	A	A	-	-	-	-	-	-
Willow Creek (W. of George Lake) 4510/8135 St. Edmunds Twp. Bruce Co.	Hg.	Brown Trout	A	A	A	A	A	A	A	A	A	-
MOE Northeastern Region												
Bigwood Lake 4651/8105 Sudbury Dist.	Hg.	Lake Trout	-	-	-	-	-	A	B		-	
Constance Lake 4948/8409 (IR 92) Studholme Twp. Cochrane Dist.	Hg, other metals, PCB, Mirex, Pest.	Northern Pike	-	-	-	-	A	A	A	A	A	A
	"	White Sucker	-	-	A	A	A	A	A	-	-	
	"	Yellow Perch	A	A	A	A	A	-	-	-	-	-
Fraleck Lake 4655/8053 Fraleck Twp. Sudbury Dist.	Hg.	Lake Trout	-	-	-	-	-	-	A	B	-	
Groundhog River (Between Whist Falls & Mattagami River) 4938/8158 Tucker Twp. Cochrane Dist.	Hg.	Northern Pike	-	-	-	-	-	B	B	C	D	D
	Hg.	Walleye	-	-	-	-	C	C	C	-	-	
			75-90 30-35	90-100 35-40	100-115 40-45	115-150 45-60						
	Hg.	Sturgeon	A	A	A	A						
Iron Lake 4657/8021 Afton Twp. Sudbury Dist.	Hg.	Lake Trout	A	A	A	A	A	A	A	A	A	
Island (Proudfoot) L. 4541/7914 Proudfoot Twp. Parry Sound Dist.	Hg, other metals, PCB, Mirex, Pest.	Speckled Trout	-	-	A	A	A	A	-	-	-	-
	"	Lake Trout	-	-	-	-	A	A	A	B	B	B
Little Agawa Lake 4721/8423 Larson Twp. Algoma Dist.	Hg.	Speckled Trout	-	-	A	A	A	A	-		-	-
Long Lake 4542/7911 Proudfoot Twp. Parry Sound Dist.	Hg, other metals, PCB, Mirex, Pest.	Lake Trout	-	-	-	-	A	A	A	A	-	-
Loon (Pevensey)Lake 4540/7913 Proudfoot Twp. Parry Sound Dist.	Hg, other metals, PCB, Mirex, Pest.	Lake Trout	-	-	A	A	A	A	A	A	-	-

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MOE Northeastern Region (cont'd)												
Mattagami River (Smooth Rock Falls) 4917/8138 Kendry Twp. Cochrane Dist.	Hg, PCB	Walleye	-	-	-	-	A	B	C	D	D	D
	"	Sturgeon	-	-	-	-	-	A	A	A	A	A
			75-90 30-35	90-100 35-40	100-115 40-45	115-150 45-60						
		Sturgeon (cont'd)	A	A	A	A						
Mattagami River (Between Shore Rapids & Cypress Falls) 4946/8158 Clay & Tucker Twps. Cochrane Dist.	Hg.	Northern Pike	-	-	-	-	-	A	B	B	C	-
Net Lake 4706/7946 Strathy Twp. Nipissing Dist.	Hg, other metals	Cisco	A	A	A	A	A	-	-	-	-	-
	"	Lake Trout	A	A	A	A	A	B	B	-	-	-
Pickerel Lake 4541/7918 Armour & Proudfoot Tps. Parry Sound Dist.	Hg, other metals, PCB, Mirex, Pest.	Walleye	-	B	B	C	C	D	D	D	-	-
	"	Smallmouth Bass	-	-	B	B	C	D	D	-	-	-
	"	Northern Pike	-	-	-	-	-	B	C	D	D	-
Regan Lake 4714/8050 Ellis Twp. Sudbury Dist.	Hg.	Lake Trout	-	-	A	A	A	A	A	-	-	-
Seagram Lake 4706/8032 Seagram Twp. Sudbury Dist.	Hg.	Lake Trout	-	-	A	A	A	A	A	A	-	
	Hg.	Speckled Trout	-	-	-	-	-	A	-	-	-	
MOE Northwestern Region												
Ball Lake 5018/9400 Kenora Dist.	Hg.	Northern Pike	-	-	-	-	B	B	C	D	D	D
	Hg.	Walleye	-	-	A	B	B	C	C	D	D	D
	Hg.	Whitefish	-	A	A	A	A	A	A	B	-	-
	Hg.	White Sucker	-	-	-	A	B	C	D	D	D	-
	Hg.	Mooneye	-	-	A	B	C	D	-	-	-	-
	Hg.	Yellow Perch	-	B	C	D	D	D	-	-	-	-
	Hg.	Sauger	-	C	D	D	D	D	D	-	-	-
	Hg.	Smallmouth Bass	-	-	-	-	D	D	-	-	-	-
	Hg.	Cisco	-	-	-	-	D	D	-	-	-	-
Bamoos Lake 4849/8621 O'Neill Twp. Thunder Bay Dist.	Hg, PCB, Mirex, Pest.	Lake Trout	-	-	-	A	A	A	A	B	B	-
Black River 4850/8555 (Hwy 614) Pic. Twp. Thunder Bay Dist.	Hg.	Walleye	-	-	-	-	A	C	-	-	-	-
Campfire Lake 4839/8606 Lecours Twp. Thunder Bay Dist.	Hg.	Northern Pike	-	-	-	-	-	-	A	B	D	D
	Hg.	Walleye	-	-	A	A	A	B	B	-	-	-
Clearwater Lake 4841/8541 Laberge Twp. Thunder Bay Dist.	Hg.	Rainbow Trout	-	-	-	-	A	A	A	-	-	-
Grassy Narrows Lake 5009/9359 Kenora Dist.	Hg.	Northern Pike	-	-	-	-	B	B	C	D	D	D
	Hg.	Walleye	-	-	-	C	C	D	D	D	D	-
	Hg.	White Sucker	-	-	-	A	A	B	B	-	-	-
	Hg.	Mooneye	-	-	A	B	B	C	-	-	-	-
	Hg.	Sauger	-	A	C	D	D	D	-	-	-	-
	Hg.	Whitefish	-	-	-	-	A	A	A	A	-	-
	Hg.	Cisco	-	-	A	A	A	B	-	-	-	-
	Hg.	Yellow Perch	A	B	B	-	-	-	-	-	-	-
Little Cedar Lake 4841/8550 Brothers Twp. Thunder Bay Dist.	Hg.	Walleye	-	-	-	A	A	A	B	-	-	-
	Hg.	Northern Pike	-	-	-	A	A	A	A	B	B	C
	Hg.	Yellow Perch	-	A	A	A	-	-	-	-	-	-
Namakan Lake 4827/9235 Rainy River Dist.	Hg.	Walleye	-	-	-	-	B	B	C	D	-	-
	Hg.	Northern Pike	-	-	-	-	-	A	B	B	B	C
Rainy Lake (Redgut Bay) 4848/9257 Rainy River Dist.	Hg.	Walleye	-	-	-	-	A	B	C	D	D	-
	Hg.	Northern Pike	-	-	-	-	-	A	B	B	C	-
Ramsay Lake (N. of Manitouwadge) 4927/8547 Thunder Bay Dist.	Hg.	Northern Pike	-	-	-	-	-	A	B	C	D	-

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MOE Northwestern Region (cont'd)												
Separation lake	Hg.	Redhorse Sucker	-	-	-	-	B	C	D	D	D	-
5014/9424	Hg.	Northern Pike	-	-	-	A	B	B	C	D	D	D
Kenora Dist.	Hg.	Mooneye	-	A	A	B	C	D	-	-	-	-
	Hg.	Walleye	-	B	B	B	B	C	D	D	D	D
	Hg.	Whitefish	-	-	A	A	A	A	A	B	-	-
	Hg.	Cisco	A	A	A	A	A	B	-	-	-	-
	Hg.	Sauger	-	C	D	D	D	D	-	-	-	-
	Hg.	White Sucker	-	-	-	A	B	B	-	-	-	-
	Hg.	Ling	-	-	-	-	B	B	C	-	-	-
	Hg.	Yellow Perch	-	C	D	-	-	-	-	-	-	-
Tetu Lake	Hg.	Walleye	-	A	A	A	B	B	C	D	D	D
5011/9502	Hg.	Northern Pike	-	-	-	-	A	B	B	B	C	C
Kenora Dist.	Hg.	Sauger	-	C	C	D	D	D	-	-	-	-
	Hg.	Cisco	A	A	A	A	A	C	-	-	-	-
	Hg.	White Sucker	-	-	-	B	B	C	-	-	-	-
	Hg.	Sturgeon	-	-	-	-	-	-	-	-	-	D
	Hg.	Whitefish	-	-	-	-	-	A	A	A	-	-
Umfreville Lake	Hg.	White Sucker	-	-	-	A	A	B	D	D	-	-
5018/9445	Hg.	Northern Pike	-	-	-	B	B	B	C	D	D	D
Kenora Dist.	Hg.	Sauger	-	B	C	D	D	D	-	-	-	-
	Hg.	Walleye	-	-	B	B	B	C	D	D	D	D
	Hg.	Whitefish	-	-	-	-	A	A	A	B	-	-
	Hg.	Cisco	A	A	B	-	-	-	-	-	-	-
	Hg.	Ling	-	-	-	B	B	C	D	D	-	-
	Hg.	Smallmouth Bass	-	-	-	-	D	D	D	-	-	-
	Hg.	Yellow Perch	B	D	-	-	-	-	-	-	-	-
Great Lakes												
(Upper) Niagara River (Fort Erie) 4254/7855 Niagara R.M.	Hg, PCB, Mirex, Pest.	Rainbow Smelt	A	A	-	-	-	-	-	-	-	-
(Upper) Niagara River (between Fort Erie & Dufferin Island) 4300/7902 Niagara R.M.	Hg. PCB Mirex, Pest.	Yellow Perch	A	A	A	-	-	-	-	-	-	-
	"	Rainbow Trout	-	-	-	-	A	A	A	-	-	-
(Lower)Niagara River (Queenston-Whirlpool) 4307/7904 Niagara R.M.	Hg, other metals, PCB, Mirex, Pest., ?,3,7,8,-TCDD	American Eel	-	-	-	-	-	-	A	X	X	X
	Hg, PCB, Mirex, Pest., 2,3,7,8,-TCDD	Yellow Perch	-	A	A	A	-	-	-	-	-	-
	"	Rainbow Trout	-	-	-	-	A	A	A	A	X	-
	2,3,7,8,-TCDD	Walleye	-	-	-	-	-	-	A	-	-	-
	"	Muskie	-	-	-	-	-	-	-	A	-	-
	PCB, Mirex, Pest., 2,3,7,8,-TCDD	Northern Pike	-	-	-	-	-	-	A	A	A	A
	Hg, other metals, PCB, Mirex, Pest.	White Sucker	-	-	-	A	A	A	X	-	-	-
	PCB, Mirex, Pest.	Coho	-	-	-	-	-	-	-	X	X	X
	Hg., PCB, Mirex, Pest., 2,3,7,8,-TCDD	Rock Bass	A	A	A	-	-	-	-	-	-	-
	Hg, other metals, PCB, Mirex, Pest., 2,3,7,8,-TCDD	Smallmouth Bass	-	A	A	A	A	A	-	-	-	-
	Hg, PCB, Mirex, Pest.	White Perch	-	-	A	X	X	-	-	-	-	-
	PCB, Mirex, Pest.	Brown Bullhead	-	-	-	A	A	-	-	-	-	-
	Hg.	Redhorse Sucker	-	-	-	A	A	A	-	-	-	-
	Hg, PCB, Mirex, Pest.	Rainbow Smelt	A	A	-	-	-	-	-	-	-	-
Lake Ontario # 2 (Pickering Gen. Sta.) 4349/7903 Durham R.M.	Hg, PCB, Mirex, Pest.	Rainbow Smelt	A	A	X	-	-	-	-	-	-	-
Lake Ontario # 3 (Presquile Point) 4400/7741 Brighton Twp. Northumberland Co.	Hg, PCB, Mirex, Pest.	Walleye	-	-	-	-	-	A	A	-	-	-

LAKE LOCATION CO-ORDINATES	CONTAMINANTS SAMPLED	SPECIES	SIZE RANGE IN CENTIMETRES (INCHES) <15 <6	15-20 6-8	20-25 8-10	25-30 10-12	30-35 12-14	35-45 14-18	45-55 18-22	55-65 22-26	65-75 26-30	>75 >30
Great Lakes (cont'd)												
Lake Ontario # 6 (Lower Gap) 4410/7635 Frontenac & Lennox & Addington Cos.	Hg, PCB, Mirex, Pest.	Whitefish	-	-	-	-	-	-	A	X	X	-
	"	Yellow Perch	A	A	A	A	-	-	-	-	-	-
	"	Walleye	-	-	-	-	-	A	A	-	-	-
	Hg.	Northern Pike	-	-	-	-	-	-	-	A	B	B
	Hg.	Rainbow Smelt	-	A	A	-	-	-	-	-	-	-
St. Lawrence River (Lake Ontario # 5) (Lily Bay) 4434/7544 Elizabethtown Twp. Leeds Co.	Hg, other metals, PCB, Mirex, Pest.	Yellow Perch	-	A	A	-	-	-	-	-	-	-
	"	Northern Pike	-	-	-	-	-	A	A	B	B	C
	"	Smallmouth Bass	-	-	-	A	B	C	-	-	-	-
	"	White Sucker	-	-	-	A	A	A	A	-	-	-
St. Lawrence River (Lake Ontario # 5) (Maitland) 4438/7537 Augusta Twp. Grenville Co.	Hg, other metals, PCB, Mirex, Pest.	Northern Pike	-	-	-	-	-	A	A	B	B	-
	"	White Sucker	-	-	-	-	-	A	B	-	-	-
	"	Smallmouth Bass	-	-	-	A	R	-		-	-	-
	"	Yellow Perch	A	A	A	B	-	-		-	-	-
St. Lawrence River (Lake Ontario # 5) (Johnstown) 4444/7528 Edwardsburgh Twp. Grenville Co.	Hg, other metals, PCB, Mirex, Pest.	White Sucker	-	-	-	-	-	A	B	-	-	-
	"	Northern Pike	-	-	-	-	-	A	B	B	C	D
	"	Brown Bullhead	-	-	A	A	-	-	-	-	-	-
	"	Yellow Perch	-	-	A	B	-	-	-	-	-	-
St. Lawrence River (Lake Ontario # 5) (Lake St. Lawrence) 4456/7504 Osnabruck Twp. Stormont Co.	Hg.	Northern Pike	-	-	-	-	A	A	A	A	A	B
	Hg.	Yellow Perch	-	A	A	B	-	-	-	-	-	-
	Hg.	Smallmouth Bass	-	-	A	A	A	B	-	-	-	-
	Hg.	Brown Bullhead	-	A	A	A	-	-	-	-	-	-
	Hg.	Walleye	-	-	-	-	A	A	A	-	-	-
Lake Erie # 1 (Western Basin) 4150/8250	Hg, PCB, Mirex, Pest. 2,3,7,8,-TCDD	Walleye	-	-	-	-	A	A	A	A	B	-
	"	White Bass	-	-	A	A	A	A	A	-	-	-
	Hg, PCB, Mirex, Pest.	Rainbow Smelt	A	A	A	-	-	-	-	-	-	-
	"	Rainbow Trout	-	-	A	A	A	A	A	A	X	-
	"	Smallmouth Bass	-	-	A	A	A	B	-	-	-	-
	"	Coho	-	-	A	A	A	A	A	A	A	A
	"	White Sucker	-	-	A	A	A	A	A	-	-	-
	"	Freshwater Drum	-	-	-	A	A	B	B	-	-	-
	"	Channel Catfish	-	-	A	A	X	X	X	-	-	-
Lake Erie # 2 (Rondeau Bay) 4217/8153 Kent Co.	Hg.	Northern Pike	-	-	-	-	A	A	A	A	A	B
	Hg.	Black Crappie	A	A	A	A	A	-	-	-	-	-
	Hg.	White Crappie	-	A	A	A	A	-	-	-	-	-
	Hg, PCB, Mirex, Pest.	Bluegill	A	A	-	-	-	-	-	-	-	-
	"	Largemouth Bass	-	-	A	A	A	B	-	-	-	-
	Hg.	White Perch	-	A	A	A	-	-	-	-	-	-
	PCB, Mirex, Pest.	Channel Catfish	-	-	A	A	A	A	A	A	A	-
	"	Yellow Perch	-	A	A	A	A	-	-	-	-	-
Lake Erie # 2 & 3 (Central Basin) 4237/8107	Hg, PCB, Mirex, Pest.	Channel Catfish	-	-	-	-	X	X	-	-	-	-
	"	White Bass	-	A	A	A	A	A	-	-	-	-
	"	Coho	-	-	A	A	A	A	A	A	-	-
	Hg.	White Sucker	-	-	-	A	A	A	A	-	-	-
	Hg.	Freshwater Drum	-	-	-	A	A	B	C	-	-	-
	Hg, PCB, Mirex, Pest.	Walleye	-	-	-	A	A	A	A	A	A	-
Detroit River (Boblo Island area) 4206/8307 Essex Co.	Hg, PCB, Mirex, Pest.	Walleye	-	-	A	A	A	A	A	-	-	-
	"	White Bass	-	-	A	A	A	A	-	-	-	-
Detroit River 4205/8309 Malden Twp. Essex Co.	Hg, PCB, Mirex, Pest.	Rock Bass	A	B	-	-	-	-	-	-	-	-
	"	Walleye	-	-	-	-	A	A	B	B	-	-
Lake St. Clair 4228/8240 Essex & Kent Cos.	Hg, PCB, Mirex, Pest.	Walleye	-	-	-	A	A	A	B	C	D	-
	"	White Bass	-	A	A	A	B	C	-	-	-	-
	Hg, PCB, Mirex, Pest., 2,3,7,8,-TCDD	Channel Catfish	-	A	A	A	A	A	A	B	X	-
	Hg, PCB, Mirex, Pest.	Smallmouth Bass	-	-	A	A	B	C	D	-	-	-
	"	Yellow Perch	-	A	A	B	B	-	-	-	-	-

LAKE LOCATION CO-ORDINATES	CONTAMINANTS SAMPLED	SPECIES	SIZE RANGE IN CENTIMETRES (INCHES) <15 <6	15-20 6-8	20-25 8-10	25-30 10-12	30-35 12-14	35-45 14-18	45-55 18-22	55-65 22-26	65-75 26-30	>75 >30
Great Lakes cont'd												
Lake St. Clair cont'd												
	Hg, PCB, Mirex, Pest., 2,3,7,8,-TCDD	Carp	-	-	-	A	A	A	A	B	B	-
	Hg, PCB, Mirex, Pest.	Rock Bass	A	A	B	-	-	-	-	-	-	-
	"	Northern Pike	-	-	-	-	A	A	B	B	B	C
	"	White Sucker	-	-	A	A	A	A	A	-	-	-
	Hg.	Black Crappie	-	A	A	B	C	-	-	-	-	-
	Hg.	Largemouth Bass	-	A	A	B	B	D	D	-	-	-
	Hg.	Bluegill	-	-	B	-	-	-	-	-	-	-
	Hg, PCB, Mirex, Pest.	Pumpkinseed	A	A	B	-	-	-	-	-	-	-
	Hg.	Freshwater Drum	-	-	A	A	B	B	B	C	-	-
	Hg.	Quillback Carpsucker	-	A	A	A	A	A	B	C	-	-
	Hg.	Redhorse Sucker	-	A	A	A	A	A	A	A	-	-
	Hg, PCB, Mirex, Pest.	Brown Bullhead	-	-	-	B	B	C	-	-	-	-

		65-75 26-30	75-90 30-35	90-100 35-40	100-115 40-45	115-150 45-60
Hg, PCB, Mirex, Pest.	Muskie	B	C	D	D	D
"	Sturgeon	-	-	A	B	D

Lake Huron # H1 (Burnt Island) 4549/8257 Manitoulin Dist.	Hg, PCB, Mirex, Pest.	Lake Trout	-	-	-	-	A	A	A	A	-	-
Lake Huron # H2 (W. of Fitzwilliam Isle) 4527/8207 Manitoulin Dist.	Hg, PCB, Mirex, Pest.	Round Whitefish	-	-	-	-	A	A	-	-	-	-
	"	Cisco	-	-	-	-	A	A	A	-	-	-
	"	Ling	-	-	-	-	-	A	A	A	-	-
Lake Huron # H3 (Pike Bay) 4452/8120 Eastnor & Albemarle Twps. Bruce Co.	Hg, PCB, Mirex, Pest.	Smallmouth Bass	-	-	A	A	B	C	D	-	-	-
Lake Huron # H5 (Point Edward to Grand Bend) 4310/8210 Lambton Co.	Hg, PCB, Mirex, Pest.	Coho	-	-	-	-	A	A	A	A	B	X
	"	Smallmouth Bass	-	-	A	A	B	B	C	-	-	-
	"	Yellow Perch	-	A	A	A	B	-	-	-	-	-
	"	Brown Trout	-	-	-	-	-	A	A	A	-	-
	"	Rainbow Trout	-	-	-	-	A	A	A	A	A	-
	Hg, PCB, Mirex, Pest., 2,3,7,8,-TCDD	Lake Trout	-	-	-	-	-	-	A	A	X	X
	Hg.	Freshwater Drum	-	-	-	A	A	B	C	-	-	-
	Hg, PCB, Mirex, Pest.	Chinook	-	-	-	-	-	-	A	A	-	-
	Hg.	Longnose Sucker	-	-	A	A	A	A	A	-	-	-
	Hg, PCB, Mirex, Pest.	Carp	-	-	-	-	-	-	-	B	X	X
	"	Walleye	-	-	-	A	A	A	B	C	D	-
	"	Whitefish	-	-	-	-	-	A	A	-	-	-
	Hg, PCB, Mirex, Pest, 2,3,7,8,-TCDD	White Bass	-	-	A	A	B	C	-	-	-	-
	"	Channel Catfish	-	-	-	-	-	A	B	-	-	-
	Hg.	Rainbow Smelt	A	A	-	-	-	-	-	-	-	-
	Hg, PCB, Mirex, Pest.	Bloater	-	-	A	A	-	-	-	-	-	-
Georgian Bay #4 (Owen Sound, Cape Rich, Thornbury) 4443/8038 Grey Co.	Hg, PCB, Mirex, Pest., 2,3,7,8,-TCDD	Rainbow Trout	-	A	A	A	A	A	A	A	B	-
	Hg, PCB, Mirex, Pest.	Splake	-	-	A	A	A	A	A	A	-	-
	"	Bloater	-	A	A	A	A	A	-	-	-	-
	"	White Sucker	-	-	A	A	A	B	-	-	-	-
	"	Yellow Perch	-	A	A	B	C	-	-	-	-	-
	"	Whitefish	-	-	-	-	A	A	A	A	A	-
	"	Ling	-	-	-	-	A	A	B	B	C	-
	"	Carp	-	-	-	-	-	A	A	A	A	A
Georgian Bay GB #4 (Western Islands) 4504/8019 Parry Sound Dist.	Hg, PCB, Mirex, Pest.	Ling	-	-	-	-	A	A	-	-	-	-

ENVIRONMENT ONTARIO BULLETIN

December 1983

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ENVIRONMENTAL HEALTH BULLETIN

Ontario's Fish Contaminants Information Program

Environment Ontario issues bulletins on a routine basis to provide Ontario residents with up-to-date information on the results of fish collected and tested for contaminants such as mercury and PCB.

This bulletin contains information on fish collected from 43 watercourses and supplements the information on about 1234 lakes and rivers contained in the "Guide to Eating Ontario Sport Fish" booklets published in April, 1983 and subsequent Environmental Health Bulletins.

For each lake, the individual fish species tested are categorized according to size and contaminant concentration. Safe consumption limits can be determined by consulting the following "Fish Consumption Guidelines" table.

FISH CONSUMPTION GUIDELINES

(Expressed in meals per week or month with a meal consisting of an 8-ounce portion)

CATEGORY	LENGTH OF FISHING VACATION			
	ONE WEEK	TWO WEEKS	THREE WEEKS	LONG-TERM CONSUMERS *
A	← NO RESTRICTIONS →			
B	10 Meals/Week	5 Meals/Week	4 Meals/Week	1 Meal/Week
C	7 Meals/Week	4 Meals/Week	3 Meals/Week	3 Meals/Month
D	← NO CONSUMPTION →			
X	1 or 2 Meals/Week	1 or 2 Meals/Week	1 or 2 Meals/Week	1 or 2 Meals/Month

\- indicates that fish from these size ranges were not collected and consumption guidelines are not available.

* For the purpose of these guidelines, those people who fish on and off for part of the year exceeding three weeks are considered long-term consumers.

NOTE: WOMEN OF CHILDBEARING AGE AND CHILDREN UNDER 15 YEARS OF AGE SHOULD EAT ONLY FISH FROM THE "A" CATEGORY.

The recommended maximum consumption levels depend upon the period of time over which fish are consumed (1 week, 2 weeks, etc.) and the contaminant concentration in the fish. The categories A, B, C, and D in the above guideline represent levels of mercury from less than 0.5 parts per million (A) to over 1.5 parts per million (D). Fish categorized as "X" contain one or more organic contaminants (PCB, DDT, mirex, or 2,3,7,8-TCDD) at concentrations exceeding federal, unrestricted consumption guidelines.

To determine the recommended level of consumption of a given fish:

1. Identify the species.

2. Measure the length of the fish from the tip of the tail to the tip of the nose.

3. Check the lake table for the appropriate lake.

4. Note the category letter for the particular fish you are checking.

5. Determine the consumption recommendations from the "Fish Consumption Guidelines" table above.

As well as the lake name and its geographical location, the table includes the species of fish collected and the contaminants sampled for (e.g. Hg-mercury) and the level of contaminant in fish of each size caught as represented by a category letter defined above.

For any given fish and location, the fact that analysis was performed for a specific contaminant does not necessarily indicate that it was detected.

Booklets entitled "Guide to Eating Ontario Sport Fish", outlining the facts about fish contamination and the resultant health implications are now available from local offices of the ministries of the Environment and Natural Resources and in northern Ontario, the Ministry of Northern Affairs. For information concerning specific waterbodies and fish species, these local offices should be contacted.

The Ontario Government is continuing to sample fish from many lakes throughout the Province. As further information on additional waterbodies becomes available, listings will be made available to the media and data can be obtained from the local offices of the ministries of the Environment and Natural Resources.

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(Version française disponible)

LAKE LOCATION CO-ORDINATES	CONTAMINANTS SAMPLED	SPECIES	SIZE RANGE IN CENTIMETRES (INCHES) <15 (< 6)	15-20 (6-8)	20-25 (8-10)	25-30 (10-12)	30-35 (12-14)	35-45 (14-18)	45-55 (18 22)	55-65 (22-26)	65-75 (26 30)	>75 (>30)
MOE Southeastern Region												
Calabogie Lake	Hg, PCB,											
4516/7645	Mirex, Pest.	Walleye	-	-	A	A	A	B	C	D	-	-
Blithfield & Bagot Twps.	Hg.	Northern Pike	-	-	-	-	-	A	A	B	B	B
Renfrew Co.	Hg.	Smallmouth Bass	-	A	A	B	B	B	-	-	-	-
Constant Lake	Hg, other metals,											
4524/7659	PCB, Mirex, Pest.	Yellow Perch	-	-	A	A	-	-	-	-	-	-
Grattan Twp.	"	Northern Pike	-	-	-	-	-	A	A	A	B	B
Renfrew Co.	"	Walleye	-	-	-	-	A	A	B	C	D	-
Ottawa River	Hg, PCB,											
(above Carillon Dam)	Mirex, Pest.	Walleye	-	-	-	-	A	A	B	C	-	-
4534/7423	"	Yellow Perch	-	-	B	B	-	-	-	-	-	-
East Hawkesbury Twp.	"	Brown Bullhead	-	-	A	A	A	A	-	-	-	-
Prescott Co.	"	White Sucker	-	-	-	A	A	A	B	-	-	-
	Hg.	Northern Pike	-	-	-	-	-	-	A	A	B	B
Round Lake	Hg, PCB,											
4538/7730	Mirex, Pest.	Lake Trout	-	-	-	-	-	-	B	C	D	D
Richards & Hagarty Twps.	Hg.	Whitefish	-	-	-	A	A	A	A	A	-	-
Renfrew Co.	Hg.	Walleye	-	-	-	A	A	A	B	-	-	-
	Hg.	Northern Pike	-	-	-	-	-	A	B	B	C	D
MOE Central Region												
Bigwind Lake	Hg, PCB,											
4503/7903	Mirex, Pest.	Lake Trout	-	-	A	A	A	A	A	A	-	-
Oakley Twp.	"	Rainbow Trout	-	-	A	A	A	A	A	-	-	-
Muskoka D.M.												
Heart Lake	Hg, PCB,											
4344/7947	Mirex, Pest.	Largemouth Bass	A	A	A	A	A	A	-	-	-	-
Chinguacousy Twp.												
Peel R.M.												
Koshlong Lake	Hg, PCB,											
4458/7829	Mirex, Pest.	Lake Trout	-	-	-	A	B	B	C	C	D	D
Glamorgan Twp.	"	Rainbow Smelt	A	A	-	-	-	-	-	-	-	-
Haliburton Co.	"	Smallmouth Bass	-	-	-	A	B	C	D	-	-	-
Prospect Lake	Hg, PCB,											
4459/7908	Mirex, Pest.	Smallmouth Bass	-	A	B	B	B	C	-	-	-	-
Draper Twp.												
Muskoka D.M.												
MOE Southwestern Region												
Avon River	Hg, PCB,											
(downstream of Stratford)	Mirex, Pest.	Rock Bass	A	A	-	-	-	-	-	-	-	-
4318/8110												
Downie Twp.												
Perth Co.												
Beaver River	Hg, PCB,											
4418/8029	Mirex, Pest.	Brown Trout	A	A	A	A	A	A	-	-	-	-
Euphrasia &	"	Speckled Trout	A	A	A	-	-	-	-	-	-	-
Artemesia Twps.												
Grey Co.												
Berford Lake	Hg.	Yellow Perch	A	A	A	-	-	-	-	-	-	-
4448/8111	Hg, PCB,											
Albemarle Twp.	Mirex, Pest.	Smallmouth Bass	-	A	A	A	-	-	-	-	-	-
Bruce Co.												
Marl Lakes	Hg, PCB,											
4410/8103	Mirex, Pest.	Largemouth Bass	-	A	A	A	B	B	-	-	-	-
Brant Twp.	Hg.	Yellow Perch	-	-	A	A	-	-	-	-	-	-
Bruce Co.												
Mountain Lake	Hg.	Walleye	-	-	A	A	A	A	B	C	-	-
4443/8041	Hg, PCB,											
St. Vincent Twp.	Mirex, Pest.	Smallmouth Bass	-	-	-	-	A	B	-	-	-	-
Grey Co.												
Thames River	Hg, PCB,											
(Middle Branch)	Mirex, Pest.	Rock Bass	A	A	-	-	-	-	-	-	-	-
(above Thamesford Dam	"	Yellow Perch	A	A	A	-	-	-	-	-	-	-
to below Pittock Dam)												
4306/8052												
N., W & E Oxford Twps.												
Oxford Co.												

LAKE LOCATION CO-ORDINATES	CONTAMINANTS SAMPLED	SPECIES	SIZE RANGE IN CENTIMETRES (INCHES) <15 (<6)	15-20 (6-8)	20-25 (8-10)	25-30 (10-12)	30-35 (12-14)	35-45 (14-18)	45-55 (18-22)	55-65 (22-26)	65-75 (26-30)	>75 (>30)
MOE Southwestern Region (cont'd)												
Thames River (downstream of St. Mary's) 4313/8108 Blanshard Twp. Perth Co.	Hg, PCB, Mirex, Pest.	Smallmouth Bass	-	-	A	A	A	-	-	-	-	-
Thames River (North Branch) (above Fanshawe Dam) 4305/8111 West Nissouri Twp. Middlesex Co.	Hg.	Smallmouth Bass	-	A	A	A	A	A	-	-	-	-
	Hg, PCB, Mirex, Pest.	Rock Bass	A	-	-	-	-	-	-	-	-	-
Thames River (London) 4259/8114 Middlesex Co.	Hg, PCB, Mirex, Pest.	Rock Bass	A	B	-	-	-	-	-	-	-	-
Thames River (above Delaware to below Springbank Dam) 4256/8118 Delaware & Westminster Twps. Middlesex Co.	Hg, PCB, Mirex, Pest.	Rock Bass	A	A	-	-	-	-	-	-	-	-
MOE Northeastern Region												
Black Beaver Lake 4724/8430 Greenwood Twp. Algoma Dist.	Hg.	Speckled Trout	-	-	A	A	A	A	A	-	-	-
	Hg.	Lake Trout	-	A	A	A	A	A	A	B	B	-
Bluesucker Lake 4710/8037 Dundee Twp. Sudbury Dist.	Hg.	Lake Trout	-	A	A	A	A	A	A	A	-	-
Endikai Lake 4635/8302 Albanel Twp. Algoma Dist.	Hg, PCB, Mirex, Pest.	Lake Trout	-	-	B	B	B	B	B	B	-	-
	Hg.	Walleye	A	A	A	A	A	B	B	-	-	-
Esten Lake 4622/8240 Esten & McGiverin Twps. Algoma Dist.	Hg, PCB, Mirex, Pest.	Lake Trout	-	-	A	A	A	A	A	B	B	C
Grandeur Lake 4619/8236 Esten Twp. Algoma Dist.	Hg, PCB, Mirex, Pest.	Lake Trout	-	-	-	A	A	A	B	C	D	D
Hubert Lake 4719/8427 Larson Twp. Algoma Dist.	Hg.	Speckled Trout	A	A	A	A	A	A	A	B	-	-
	Hg.	Lake Trout	-	-	-	-	A	A	A	A	-	-
Kukagami Lake 4644/8033 Kelly & Davis Twps. Sudbury Dist.	Hg.	Lake Trout	A	A	A	A	A	A	A	A	A	A

LAKE LOCATION CO-ORDINATES	CONTAMINANTS SAMPLED	SPECIES	SIZE RANGE IN CENTIMETRES (INCHES) <15 (<6)	15-20 (6-8)	20-25 (8-10)	25-30 (10-12)	30-35 (12-14)	35-45 (14-18)	45-55 (18-22)	55-65 (22-26)	65-75 (26-30)	>75 (>30)
MOE Northeastern Region (cont'd)												
Laundrie Lake 4707/8052 Howey Twp. Sudbury Dist.	Hg, other metals	Lake Trout	-	A	A	A	A	A	A	B	-	-
Lulu Lake 4724/8045 Corley Twp. Timiskaming Dist.	Hg.	Speckled Trout	-	A	A	A	A	A	A	-	-	-
Marina Lake 4724/8040 Corley Twp. Timiskaming Dist.	Hg.	Speckled Trout	-	A	A	A	A	-	-	-	-	-
Lake of the Mountains (Dubourne Lake) 4615/8255 Cobden & Striker Twps. Algoma Dist.	Hg, PCB, Mirex, Pest.	Lake Trout	-	-	A	A	A	A	A	B	-	-
North Hubert Lake 4720/8427 Larson Twp. Algoma Dist.	Hg. Hg.	Speckled Trout Lake Trout	- -	- -	- -	A -	A A	A A	A A	- A	- -	- -
Pedro Lake 4655/8032 Sheppard Twp. Sudbury Dist.	Hg.	Lake Trout	-	A	A	A	A	A	A	A	-	-
Regal Lake 4636/8305 Varley Twp. Algoma Dist.	Hg.	Lake Trout	-	A	A	A	A	A	A	A	A	A
Threenarrows Lake 4605/8127 Roosevelt & Stalin Twps. Sudbury Dist.	Hg.	Lake Trout	-	-	A	A	A	A	A	A	B	B
MOE Northwestern Region												
Bamoos Lake 4849/8621 O'Neill Twp. Thunder Bay Dist.	Hg.	Lake Trout	-	-	-	A	A	A	A	B	B	-
Great Lakes												
Lake Ontario #1 (Toronto Islands - Inner Harbour) 4350/7925 Metro Toronto	Hg, PCB, Mirex, Pest. " " Hg, other metals, PCB, Mirex, Pest.	Rainbow Smelt Yellow Perch White Sucker Northern Pike	A A - -	A A - -	- A - -	- A A -	- A A -	- - A -	- - A A	- - - A	- - - A	- - - B
Lake Ontario #2 (Pickering Generating Station) 4349/7903 Durham R.M.	Hg, PCB, Mirex, Pest.	Rainbow Smelt	-	A	-	-	-	-	-	-	-	-
Lake Ontario #6 (Reeds Bay) 4408/7628 Wolf Island Twp. Frontenac Co.	PCB, Mirex, Pest.	American Eel	-	-	-	-	-	-	-	-	A	X
Lake Huron #H2 (west of St. Edmunds Twp.) 4510/8145 Bruce Co.	Hg, PCB, Mirex, Pest.	Whitefish	-	-	-	-	-	A	A	A	A	A
Lake Huron #H2 (west of Lindsay Twp.) 4500/8140 Bruce Co.	Hg, PCB, Mirex, Pest.	Bloater	-	A	A	A	-	-	-	-	-	-
Lake Huron #H3 (off Amabel Twp.) 4440/8130 Bruce Co.	Hg, PCB, Mirex, Pest.	Bloater	-	-	A	A	-	-	-	-	-	-

LAKE LOCATION CO-ORDINATES	CONTAMINANTS SAMPLED	SPECIES	SIZE RANGE IN CENTIMETRES (INCHES) <15 (<6)	15-20 (6-8)	20-25 (8-10)	25-30 (10-12)	30-35 (12-14)	35-45 (14-18)	45-55 (18-22)	55-65 (22-26)	65-75 (26-30)	>75 (>30)
Great Lakes (cont'd)												
Georgian Bay GB #4 (between Christian Island & Cape Rich) 4449/8030 Grey Co.	Hg, PCB, Mirex, Pest.	Bloater	-	-	A	A	A	A	-	-	-	-
Georgian Bay GB #4 (Giants Tomb) 4455/8000 Simcoe Co.	Hg.	Walleye	-	-	-	-	-	A	B	B	C	-
Georgian Bay GB #4 (Nottawasaga Bay) 4435/8015 Nottawasaga Twp. Simcoe Co.	Hg, PCB, Mirex, Pest.	Splake	-	-	-	-	A	A	A	-	-	-
	Hg.	Whitefish	-	-	-	-	-	-	A	A	-	-

ENVIRONMENT ONTARIO BULLETIN

October 1983

ENVIRONMENTAL HEALTH BULLETIN

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For each lake, the individual fish species tested are categorized according to size and contaminant concentration. Safe consumption limits can be determined by consulting the following "Fish Consumption Guidelines" table.

FISH CONSUMPTION GUIDELINES

(Expressed in meals per week or month with a meal consisting of an 8-ounce portion)

CATEGORY	LENGTH OF FISHING VACATION			
	ONE WEEK	TWO WEEKS	THREE WEEKS	LONG-TERM CONSUMERS *
A	← NO RESTRICTIONS →			
B	10 Meals/Week	5 Meals/Week	4 Meals/Week	1 Meal/Week
C	7 Meals/Week	4 Meals/Week	3 Meals/Week	3 Meals/Month
D	← NO CONSUMPTION →			
X	1 or 2 Meals/Week	1 or 2 Meals/Week	1 or 2 Meals/Week	1 or 2 Meals/Month

\- indicates that fish from these size ranges were not collected and consumption guidelines are not available.

* For the purpose of these guidelines, those people who fish on and off for part of the year exceeding three weeks are considered long-term consumers.

NOTE: WOMEN OF CHILDBEARING AGE AND CHILDREN UNDER 15 YEARS OF AGE SHOULD EAT ONLY FISH FROM THE "A" CATEGORY.

The recommended maximum consumption levels depend upon the period of time over which fish are consumed (1 week, 2 weeks, etc.) and the contaminant concentration in the fish. The categories A, B, C, and D in the above guideline represent levels of mercury from less than 0.5 parts per million (A) to over 1.5 parts per million (D). Fish categorized as "X" contain one or more organic contaminants (PCB, DDT, mirex, or 2,3,7,8-TCDD) at concentrations exceeding federal, unrestricted consumption guidelines.

To determine the recommended level of consumption of a given fish:

1. Identify the species.

2. Measure the length of the fish from the tip of the tail to the tip of the nose.

3. Check the lake table for the appropriate lake.

4. Note the category letter for the particular fish you are checking.

5. Determine the consumption recommendations from the "Fish Consumption Guidelines" table above.

As well as the lake name and its geographical location, the table includes the species of fish collected and the contaminants sampled for (e.g. Hg-mercury) and the level of contaminant in fish of each size caught as represented by a category letter defined above.

For any given fish and location, the fact that analysis was performed for a specific contaminant does not necessarily indicate that it was detected.

Booklets entitled "Guide to Eating Ontario Sport Fish", outlining the facts about fish contamination and the resultant health implications are now available from local offices of the ministries of the Environment and Natural Resources and in northern Ontario, the Ministry of Northern Affairs. For information concerning specific waterbodies and fish species, these local offices should be contacted.

The Ontario Government is continuing to sample fish from many lakes throughout the Province. As further information on additional waterbodies becomes available, listings will be made available to the media and data can be obtained from the local offices of the ministries of the Environment and Natural Resources.

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(Version française disponible)

LAKE LOCATION CO-ORDINATES	CONTAMINANTS SAMPLED	SPECIES	SIZE RANGE IN CENTIMETRES (INCHES) < 15 < 6	15-20 6-8	20-25 8-10	25-30 10-12	30-35 12-14	35-45 14-18	45-55 18-22	55-65 22-26	65-75 > 26-30 >	75 30
MOE Southeastern Region												
Bark Lake 4527/7751 Jones Twp. Renfrew Co.	Hg, PCB, Mirex, Pest.	Lake Trout	-	-	-	-	-	B	C	C	D	D
Black Lake 4446/7618 North Burgess Twp. Lanark Co.	Hg, other metals, PCB, Mirex, Pest.	Smallmouth Bass	-	-	A	B	B	B	-	-	-	-
	"	Northern Pike	-	-	-	-	A	A	A	B	-	-
	Hg, other metals	Walleye	-	-	-	-	-	A	B	-	-	-
	"	Brown Bullhead	-	-	-	A	A	-	-	-	-	-
Lake Clear 4526/7712 Sebastopol Twp. Renfrew Co.	Hg, PCB, Mirex, Pest.	Northern Pike	-	-	-	-	A	A	A	A	A	B
	"	Whitefish	-	-	-	-	A	X	X	X	-	-
	"	Lake Trout	-	-	-	-	-	-	A	X	X	X
	"	Yellow Perch	-	-	A	B	-	-	-	-	-	-
	"	White Sucker	-	-	-	-	A	A	A	X	-	-
	"	Smallmouth Bass	-	-	A	A	A	B	X	-	-	-
	"	Ling	-	-	-	A	A	A	A	A	B	B
	"	Rock Bass	-	-	A	A	-	-	-	-	-	-
Golden Lake 4534/7721 N & S Algona Twps. Renfrew Co.	Hg.	Largemouth Bass	-	-	-	-	A	B	-	-	-	-
	Hg.	Smallmouth Bass	-	-	-	-	A	C	-	-	-	-
	Hg.	White Sucker	-	-	-	-	-	A	A	B	-	-
	Hg, PCB, Mirex, Pest.	Walleye	-	-	-	A	A	B	C	D	-	-
Moira Lake 4430/7727 Huntingdon Twp. Hastings Co.	Hg, other metals, PCB, Mirex, Pest.	Walleye	-	-	-	C	C	D	D	-	-	-
	"	Smallmouth Bass	-	B	B	C	C	-	-	-	-	-
	"	Northern Pike	-	-	-	-	-	B	B	C	-	-
Pike Lake 4447/7621 North Burgess Twp. Lanark Co.	Hg, other metals	Walleye	-	-	-	-	A	A	B	B	C	-
	Hg, other metals PCB, Mirex	Smallmouth Bass	-	-	A	A	B	B	-	-	-	-
	Hg, other metals	Brown Bullhead	-	-	-	A	A	-	-	-	-	-
Stoco Lake 4428/7717 Hungerford Twp. Hastings Co.	Hg, other metals, PCB, Mirex, Pest.	Walleye	-	-	A	A	B	B	C	-	-	-
	"	Northern Pike	-	-	-	A	A	A	A	B	B	B
	"	Smallmouth Bass	-	-	A	B	B	-	-	-	-	-
MOE Central Region												
Bear Lake 4520/7842 Livingstone TGwp. Haliburton Co.	Hg, other metals	Smallmouth Bass	-	-	A	A	B	B	C	-	-	-
	Hg, other metals	Lake Trout	-	-	-	A	A	A	B	-	-	-
Rebecca Lake 4526/7902 Sinclair Twp. Muskoka D.M.	Hg, other metals	Smallmouth Bass	-	-	-	A	B	B	C	-	-	-
MOE Northeastern Region												
Astonish Lake 4634/8251 Nicholas Twp. Algoma Dist.	Hg.	Speckled Trout	-	-	A	A	A	A	-	-	-	-
Elliot Lake 4623/8242 Bolger & Gunterman Twps. Algoma Dist.	Hg, PCB, Mirex, Pest.	Lake Trout	-	-	-	A	A	A	B	C	D	D
	Hg.	Cisco	-	A	A	A	-	-	-	-	-	-
	Hg.	Whitefish	-	-	-	-	-	-	A	A	-	-
Gong Lake 4705/8332 Handelman Twp. Algoma Dist.	Hg.	Speckled Trout	-	A	A	A	A	A	-	-	-	-
	Hg.	Lake Trout	-	-	A	A	A	B	B	C	C	D
Gorden Lake 4625/8350 Plummer & Johnson Twps. Algoma Dist.	Hg.	Walleye	-	-	-	B	B	B	C	D	-	-
	Hg.	Northern Pike	-	-	-	-	-	A	B	-	-	-
Island (Proudfoot) Lake 4541/7914 Proudfoot Twp. Parry Sound Dist.	Hg, other metals	Speckled Trout	-	-	A	A	A	A	-	-	-	-
	Hg, other metals	Lake Trout	-	-	-	-	A	A	A	B	B	B
Long Lake 4542/7911 Proudfoot Twp. Parry Sound Dist.	Hg, other metals	Lake Trout	-	-	-	-	A	A	A	A	-	-
Loon (Pevensey) Lake 4540/7913 Proudfoot Twp. Parry Sound Dist.	Hg, other metals	Lake Trout	-	-	A	A	A	A	A	A	-	-
Pickerel Lake 4541/7918 Armour & Proudfoot Twps. Parry Sound Dist.	Hg, other metals, PCB, Mirex, Pest.	Walleye	-	B	B	C	C	D	D	D	-	-
	Hg, other metals	Smallmouth Bass	-	-	B	B	C	D	D	-	-	-
	"	Northern Pike	-	-	-	-	-	B	C	D	D	-
Rock Lake 4626/8346 Aberdeen & Plummer Twps. Algoma Dist.	Hg.	Walleye	-	-	-	B	B	C	D	D	-	-
	Hg.	Northern Pike	-	-	-	-	A	A	B	B	C	C
MOE Northwestern Region												
Rapid Lake 5020/9125 Thunder Bay Dist.	Hg.	Northern Pike	-	-	-	-	-	-	B	B	B	-
Theatre Lake 5030/9140 Kenora Dist.	Hg.	Northern Pike	-	-	-	-	-	-	B	B	C	D
Great Lakes												
Lake Ontario #1 (Jordan Harbour) 4311/7922 Niagara R.M.	Hg, PCB, Mirex, Pest., 2,3,7,8-TCDD	Brown Trout	-	-	-	-	-	-	A	A	X	-
	"	White Bass	-	-	A	A	A	B	-	-	-	-
	Hg, PCB, Mirex, Pest.	Brown Bullhead	-	A	A	A	A	B	-	-	-	-
	"	Gizzard Shad	-	-	-	-	A	A	-	-	-	-
	"	Yellow Perch	-	A	A	A	A	-	-	-	-	-
	"	Channel Catfish	-	-		A	A	A	X	X	-	
	"	Coho	-	-	-	-	-	A	A	X	-	
	"	Lake Trout	-	-	-	-	-	-	X	X	X	
	"	Rainbow Trout	-	-	-	-	-	A	A	X	X	

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			<15 <6	15-20 6-8	20-25 8-10	25-30 10-12	30-35 12-14	35-45 14-18	45-55 18-22	55-65 22-26	65-75 26-30	> 75 > 30
Lake Ontario #2 (Ganaraska River, Port Hope) 4357/7818 Hope Twp. Northumberland Co.	Hg, other metals, PCB, Mirex, Pest.	Rainbow Smelt	X	X	-	-	-	-	-	-	-	-
	Hg, other metals, PCB, Mirex, Pest., 2,3,7,8-TCDD	Rainbow Trout	-	-	-	-	A	A	A	A	X	X
Lake Ontario #3 (Salmon Point) 4351/7715 Althol Twp. Prince Edward Co.	Hg, PCB, Mirex, Pest.	American Eel	-	-	-	-	-	-	-	A	A	A
Lake Ontario #4 (Bay of Quinte, Glenora to Upper Gap) 4403/7657 N. Marysburg Twp. Prince Edward Co.	Hg, PCB, Mirex, Pest.	American Eel	-	-	-	-	-	-	-	X	X	X
	"	Whitefish	-	-	-	-	-	A	A	-	-	-
St. Lawrence River (Lake Ontario #7) (Lake St. Francis) 4508/7425 Glengarry Co.	Hg, PCB, Mirex, Pest.	Walleye	-	-	-	-	A	B	B	B	D	D
	"	Northern Pike	-	-	-	A	A	A	B	B	C	D
	"	Sturgeon	-	-	-	-	-	-	X	X	X	X
	"	Yellow Perch	A	A	A	B	-	-	-	-	-	-
	"	Channel Catfish	-	-	-	-	X	X	X	X	-	-
	"	White Sucker	-	-	-	-	A	A	B	B	-	-
	"	Pumpkinseed	A	A	-	-	-	-	-	-	-	-
	"	Brown Bullhead	-	-	A	A	A	-	-	-	-	-

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Southeastern Region												
Cardwell Lake 4516/7755 Wicklow Twp. Hastings Co.	Hg, PCB, Mirex, Pest. Hg.	Smallmouth Bass Yellow Perch	- A	- B	- B	A B	B -	C -	D -	- -	- -	- -
Cashel Lake 4455/7733 Cashel Twp. Hastings Co.	Hg, PCB, Mirex, Pest.	White Sucker	-	-	-	A	A	A	A	-	-	-
Faraday Lake 4504/7755 Faraday Twp. Hastings Co.	Hg, PCB, Mirex, Pest.	Smallmouth Bass	-	A	A	A	A	B	-	-	-	-
Long Lake 4448/7615 N. Burgess Twp. Lanark Co.	Hg. Hg. Hg.	Yellow Perch Northern Pike Largemouth Bass	A - -	A - A	A - A	A - A	- A A	- A -	- B -	- B -	- C -	- - -
Mephisto Lake 4456/7735 Cashel Twp. Hastings Co.	Hg, PCB, Mirex, Pest. Hg.	Lake Trout Smallmouth Bass	- -	A -	A -	A A	A A	A B	A C	- -	- -	- -
Opincon Lake 4434/7619 Bedford, Storrington & S. Crosby Twps. Frontenac & Leeds Co's.	Hg. Hg.	Yellow Perch Northern Pike	A -	A -	A -	- -	- -	- -	- A	- A	- A	- -
Sydenham Lake 4425/7633 Loughborough Twp. Frontenac Co.	Hg. Hg.	Yellow Perch Smallmouth Bass	A -	A A	- A	- A	- B	- B	- -	- -	- -	- -
Upper Rideau Lake 4441/7620 N. Crosby Twp. Leeds Co.	Hg.	Smallmouth Bass	A	A	A	A	A	B	-	-	-	-
Central Region												
Basshaunt Lake 4507/7828 Guilford Twp. Haliburton Co.	Hg.	Smallmouth Bass	-	-	A	A	B	B	-	-	-	-
Blue Rock Lake 4456/7815 Monmouth Twp. Haliburton Co.	Hg, PCB, Mirex, Pest.	Speckled Trout	-	A	A	A	A	-	-	-	-	-
Buck Lake 4523/7900 Sinclair Twp. Muskoka D.M.	Hg, PCB, Mirex	Smallmouth Bass	-	-	A	A	B	-	-	-	-	-
Clinto Lake 4519/7852 McClintock Twp. Haliburton Co.	Hg, PCB, Mirex, Pest.	Lake Trout	-	-	-	-	A	A	A	A	A	-
Credit River 4335/7943 Toronto Twp. Peel R.M.	Hg, other metals, PCB, Mirex, Pest., 2,3,7,8-TCDD Hg, PCB, Mirex, Pest. PCB, Mirex, Pest.,	Coho Rainbow Trout White Sucker	- - A	- - A	- - A	- - A	A - A	A A -	A X -	X X -	X X -	X - -
Duck Lake 4500/7839 Minden Twp. Haliburton	Hg.	Smallmouth Bass	-	-	-	A	A	A	B	-	-	-
Fawn Lake 4510/7915 Macaulay & Stephenson Twps. Muskoka D.M.	Hg, PCB, Mirex	Largemouth Bass	-	-	B	B	C	D	D	-	-	-

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			<15 <6	15-20 6-8	20-25 8-10	25-30 10-12	30-35 12-14	35-45 14-18	45-55 18-22	55-65 22-26	65-75 26-30	>75 >30
Central Region (cont'd)												
Heeney Lake 4508/7906 McLean Twp. Muskoka D.M.	Hg, PCB, Mirex	Smallmouth Bass	A	A	B	B	B	C	-	-	-	-
Leonard Lake 4504/7927 Monck Twp. Muskoka D.M.	Hg, PCB, Mirex	Smallmouth Bass	-	-	-	B	B	B	-	-	-	-
Otonabee River (north of Trent University) 4423/7814 Douro Twp. Peterborough Co.	Hg, PCB, Mirex, Pest. " Hg. Hg.	Rock Bass Smallmouth Bass White Sucker Bluegill	- - - -	A - - A	A A A A	B A A -	- A A -	- A A -	- - A -	- - - -	- - - -	- - - -
Otonabee River (Little Lake, Peterborough) 4418/7819 N. Monaghan & Otonabee Twps. Peterborough Co.	Hg, PCB, Mirex, Pest. " Hg.	Smallmouth Bass Rock Bass Bluegill	- - -	A A A	A A A	A - -	A - -	A - -	- - -	- - -	- - -	- - -
Otonabee River (south of Hwy. 7 bridge) 4409/7814 Otonabee Twp. Peterborough Co.	Hg, PCB, Mirex, Pest. " " "	Yellow Perch Rock Bass Bluegill Smallmouth Bass	A - - -	A A A -	A A A -	- B - A	- - - A	- - - -	- - - -	- - - -	- - - -	- - - -
Tedious Lake 4510/7835 Guilford Twp. Haliburton Co.	Hg, PCB, Mirex, Pest.	White Sucker	-	-	A	A	A	A	-	-	-	-
Northeastern Region												
Lake Abitibi 4842/7945 Cochrane Dist.	Hg. Hg. Hg. Hg. Hg. Hg. Hg.	Northern Pike Sauger Walleye Cisco Goldeye White Sucker Whitefish	- - - A - - -	- A - A A - -	- B - A A A -	A B A A B A A	A D B A B A A	A D B - - A A	B - C - - - A	B - D - - - -	B - D - - - -	B - - - - - -
Crooked Lake 4820/8351 Stover & Brackin Twps. Sudbury Dist.	Hg. Hg.	Northern Pike Walleye	- -	- -	- A	- A	A A	A B	B C	C D	- D	- -
Kamiskotia River (at Mattagami River) 4834/8131 Jamieson Twp. Cochrane Dist.	Hg, other metals	Walleye	-	-	-	A	A	B	B	C	-	-
Mattagami River (below Sturgeon Falls) 4849/8129 Mahaffy Twp. Cochrane Dist.	Hg, other metals	Walleye	-	A	A	A	A	A	-	-	-	-
Mattagami River (Sandy Falls) 4831/8127 Mountjoy Twp. Cochrane Dist.	Hg, other metals	Walleye	-	-	-	-	A	B	C	D	-	-
Miskokway Lake 4539/8014 Burton Twp. Parry Sound Dist.	Hg, other metals Hg, other metals Hg, other metals	Smallmouth Bass Cisco Lake Trout	- - -	- A -	A A -	A - -	B - A	- - B	- - C	- - D	- - D	- - D
Pharand Lake 4807/8148 Pharand Twp. Timiskaming Dist.	Hg. Hg.	Walleye Northern Pike	- -	- -	- -	A -	A A	B A	C A	D B	D B	- C
Trout Lake 4535/8010 Burpee Twp. Parry Sound Dist.	Hg, other metals Hg, other metals	Smallmouth Bass Lake Trout	- -	- -	- -	A -	A A	A A	- A	- A	- B	- B

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Northwestern Region												
Blackwater River (mouth) 4931/8809 Kitto Twp. Thunder Bay Dist.	Hg.	Walleye	-	-	-	-	A	A	A	-	-	-
	Hg.	Northern Pike	-	-	A	A	A	A	A	A	A	-
Jojo Lake 5017/8853 Thunder Bay Dist.	Hg.	Cisco	-	-	A	A	B	-	-	-	-	-
	Hg.	Northern Pike	-	-	-	-	-	A	A	B	B	C
Great Lakes												
Lake Erie #2 (Rondeau Bay) 4217/8153 Kent Co.	Hg.	Northern Pike	-	-	-	-	A	A	A	A	A	B
	Hg.	Black Crappie	A	A	A	A	A	-	-	-	-	-
	Hg.	White Crappie	-	A	A	A	A	-	-	-	-	-
	Hg, PCB, Mirex, Pest.	Bluegill	A	A	-	-	-	-	-	-	-	-
	"	Largemouth Bass	-	-	A	A	A	B	-	-	-	-
	Hg.	White Perch	-	A	A	A	-	-	-	-	-	-
Lake Erie #4 (Long Point Bay) 4240/8010 Haldimand-Norfolk R.M.	Hg, PCB, Mirex, Pest. 2,3,7,8-TCDD	Rainbow Trout	-	-	-	-	-	A	A	A	A	A
	Hg, PCB, Mirex, Pest.	Coho	-	-	-	-	-	-	A	A	A	A
	"	Rock Bass	A	A	A	-	-	-	-	-	-	-
	"	Largemouth Bass	-	A	A	A	A	A	-	-	-	-
	Hg, other metals, PCB, Mirex, Pest.	Yellow Perch	A	A	A	A	A	-	-	-	-	-
	Hg, PCB, Mirex, Pest.	Brown Bullhead	-	-	A	A	A	A	-	-	-	-
	Hg, PCB, Mirex, Pest.	Channel Catfish	-	-	-	-	A	A	A	A	B	B
	"	Smallmouth Bass	-	A	A	A	A	A	A	-	-	-
	"	Northern Pike	-	-	-	-	-	A	A	A	A	-
	Hg, other metals PCB, Mirex, Pest.	Rainbow Smelt	A	A	A	-	-	-	-	-	-	-
	Hg, PCB, Mirex, Pest.	White Bass	-	A	A	A	A	-	-	-	-	-
	"	Carp	-	-	-	-	A	A	A	A	A	A
	"	White Sucker	-	-	-	-	-	A	A	B	-	-
	"	Freshwater Drum	-	-	A	A	A	B	-	-	-	-
Lake St. Clair 4228/8240 Essex & Kent Co's.	Hg, PCB, Mirex, Pest.	Walleye	-	-	-	-	A	B	C	D	D	-
	"	White Bass	-	-	A	A	B	C	-	-	-	-
	"	Channel Catfish	-	A	A	A	A	A	X	X	X	-
	"	Smallmouth Bass	-	-	A	B	B	C	D	-	-	-
	"	Yellow Perch	-	A	A	A	C	-	-	-	-	-
	"	Carp	-	-	-	A	A	A	A	B	B	X
	"	Rock Bass	A	A	A	D	-	-	-	-	-	-
	"	Northern Pike	-	-	-	-	A	A	B	C	C	D
	"	White Sucker	-	-	A	A	A	A	A	C	D	-
	Hg.	Black Crappie	-	A	A	B	C	-	-	-	-	-
	Hg.	Largemouth Bass	-	B	C	D	D	D	D	-	-	-
	Hg.	Bluegill	-	-	B	-	-	-	-	-	-	-
	Hg, PCB, Mirex, Pest.	Pumpkinseed	A	A	C	-	-	-	-	-	-	-
	Hg.	Freshwater Drum	-	-	A	A	B	B	B	C	-	-
	Hg.	Quillback Carpsucker	-	A	A	A	A	A	B	C	-	-
	Hg.	Redhorse Sucker	-	A	A	A	A	A	A	A	-	-
	Hg, PCB, Mirex, Pest.	Brown Bullhead	-	-	-	B	B	C	-	-	-	-

			SIZE RANGE IN CENTIMETRES (INCHES) 65-75 26-30	75-90 30-35	90-100 35-40	100-115 40-45	115-150 45-60
	Hg, PCB, Mirex, Pest.	Muskie	B	C	D	D	D
	"	Sturgeon	-	-	A	B	D

			SIZE RANGE IN CENTIMETRES (INCHES) <15 <6	15-20 6-8	20-25 8-10	25-30 10-12	30-35 12-14	35-45 14-18	45-55 18-22	55-65 22-26	65-75> 26-30>	75 30
Lake Superior #1 (east of Caribou Island, Thunder Bay) 4833/8846 Thunder Bay Dist.	Hg, PCB, Mirex, Pest.	Lake Trout	-	-	-	-	-	A	A	B	X	X

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(Expressed in meals per week or month with a meal consisting of an 8-ounce portion)

CATEGORY	LENGTH OF FISHING VACATION			
	ONE WEEK	TWO WEEKS	THREE WEEKS	LONG-TERM CONSUMERS *
A	← NO RESTRICTIONS →			
B	10 Meals/Week	5 Meals/Week	4 Meals/Week	1 Meal/Week
C	7 Meals/Week	4 Meals/Week	3 Meals/Week	3 Meals/Month
D	← NO CONSUMPTION →			
X	1 or 2 Meals/Week	1 or 2 Meals/Week	1 or 2 Meals/Week	1 or 2 Meals/Month

\- indicates that fish from these size ranges were not collected and consumption guidelines are not available.

* For the purpose of these guidelines, those people who fish on and off for part of the year exceeding three weeks are considered long-term consumers.

NOTE: WOMEN OF CHILDBEARING AGE AND CHILDREN UNDER 15 YEARS OF AGE SHOULD EAT ONLY FISH FROM THE "A" CATEGORY.

The recommended maximum consumption levels depend upon the period of time over which fish are consumed (1 week, 2 weeks, etc.) and the contaminant concentration in the fish. The categories A, B, C, and D in the above guideline represent levels of mercury from less than 0.5 parts per million (A) to over 1.5 parts per million (D). Fish categorized as "X" contain one or more organic contaminants (PCB, DDT, mirex, or 2,3,7,8-TCDD) at concentrations exceeding federal, unrestricted consumption guidelines.

To determine the recommended level of consumption of a given fish:

1. Identify the species.

2. Measure the length of the fish from the tip of the tail to the tip of the nose.

3. Check the lake table for the appropriate lake.

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5. Determine the consumption recommendations from the "Fish Consumption Guidelines" table above.

As well as the lake name and its geographical location, the table includes the species of fish collected and the contaminants sampled for (e.g. Hg-mercury) and the level of contaminant in fish of each size caught as represented by a category letter defined above.

For any given fish and location, the fact that analysis was performed for a specific contaminant does not necessarily indicate that it was detected.

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(Version francaise disponible)

LAKE LOCATION CO-ORDINATES	CONTAMINANTS SAMPLED	SPECIES	SIZE RANGE IN CENTIMETRES (INCHES) <15 <6	15-20 6-8	20-25 8-10	25-30 10-12	30-35 12-14	35-45 14-18	45-55 18-22	55-65 22-26	65-75 26-30	>75 >30
Southeastern Region												
Lake Clear	Hg, PCB,											
4526/7712	Mirex, Pest.	Northern Pike	-	-	-	-	A	A	A	A	A	B
Sebastopol Twp.	"	Whitefish	-	-	-	-	A	X	X	X	-	-
Renfrew Co.	"	Lake Trout	-	-	-	-	-	-	X	X	X	-
	"	Yellow Perch	-	-	A	B	-	-	-	-	-	-
	"	White Sucker	-	-	-	-	A	A	A	X	-	-
	"	Smallmouth Bass	-	-	A	A	A	B	X	-	-	-
	"	Ling	-	-	-	A	A	A	A	A	B	B
	"	Rock Bass	-	-	A	A	-	-	-	-	-	-
Central Region												
Lake of Bays	Hg, PCB,											
4515/7900	Mirex, Pest.	Lake Trout	-	-	-	-	-	B	B	C	D	D
Muskoka D.M.	"	Rainbow Smelt	A	-	-	-	-	-	-	-	-	-
	"	Smallmouth Bass	-	A	A	B	B	C	D	-	-	-
Bigwind Lake	Hg.	Lake Trout	-	-	A	A	A	A	A	A	-	-
4503/7903	Hg.	Rainbow Trout	-	-	A	A	A	A	A	-	-	-
Oakley Twp.												
Muskoka D.M.												
Clinto Lake	Hg.	Lake Trout	-	-	-	-	A	A	A	A	A	-
4519/7852												
McClintock Twp.												
Haliburton Co.												
Gloucester Pool	Hg, PCB,											
(Severn River)	Mirex, Pest.	Smallmouth Bass	-	-	A	A	A	B	-	-	-	-
4451/7942	"	Northern Pike	-	-	-	A	A	A	A	A	B	-
Baxter Twp.	"	Walleye	-	-	-	-	-	-	B	D	-	-
Muskoka D.M.	Hg.	Black Crappie	A	A	A	A	A	-	-	-	-	-
	Hg.	Largemouth Bass	-	A	A	A	A	A	B	-	-	-
Heart Lake	Hg, PCB, Mirex.	Largemouth Bass	A	A	A	A	A	A	-	-	-	-
4344/7947												
Chinguacousy Twp.												
Peel R.M.												
Kahshe Lake	Hg.	Walleye	-	-	-	-	-	-	D	D	D	D
4450/7918	Hg, PCB,											
Morrison Twp.	Mirex, Pest.	Smallmouth Bass	-	-	A	B	B	D	D	-	-	-
Muskoka D.M.												
Matchedash Lake	Hg.	Largemouth Bass	-	-	A	A	B	B	-	-	-	-
4447/7929												
Orillia & Matchedash Twps.												
Simcoe Co.												
Prospect Lake	Hg.	Smallmouth Bass	-	A	B	B	B	C	-	-	-	-
4459/7908												
Draper Twp.												
Muskoka D.M.												
Southwestern Region												
Beaver River	Hg.	Brown Trout	A	A	A	A	A	A	-	-	-	-
4418/8029	Hg.	Speckled Trout	A	A	A	-	-	-	-	-	-	-
Euphrasia &												
Artemesia Twps.												
Grey Co.												
Burford Lake	Hg.	Yellow Perch	A	A	A	-	-	-	-	-	-	-
4443/8110	Hg.	Smallmouth Bass	-	A	A	A	-	-	-	-	-	-
Albemarle Twp.												
Bruce Co.												
Marl Lakes	Hg.	Largemouth Bass	-	A	A	A	B	B	-	-	-	-
4410/8103	Hg.	Yellow Perch	-	-	A	A	-	-	-	-	-	-
Brant Twp.												
Bruce Co.												
Mountain Lake	Hg.	Walleye	-	-	A	A	A	A	B	C	-	-
4443/8041												
St. Vincent Twp.												
Grey Co.												
Thames River	Hg.	White Crappie	A	A	A	-	-	-	-	-	-	-
(Jeanettes Creek)	Hg.	White Bass	-	-	-	A	A	-	-	-	-	-
4220/8225	Hg.	Carp	-	-	-	-	A	A	A	A	-	-
Tilbury East Twp.	Hg.	Gizzard Shad	A	A	A	A	A	A	-	-	-	-
Kent Co.	Hg.	Redhorse Sucker	-	-	-	-	A	A	B	-	-	-
	Hg.	Brown Bullhead	A	A	A	-	-	-	-	-	-	-
	Hg.	Black Crappie	A	A	A	-	-	-	-	-	-	-
	Hg.	Freshwater Drum	A	A	A	A	B	-	-	-	-	-
	Hg.	Northern Pike	-	-	A	A	A	A	A	-	-	-
Northeastern Region												
Esnagi Lake	Hg.	Walleye	-	-	-	-	A	A	A	B	B	-
4836/8433	Hg.	Northern Pike	-	-	-	-	-	-	A	A	B	B
Mosambik, Cudney,												
Tilston & Pearkes Twps.												
Algoma Dist.												
Iron Lake	Hg.	Lake Trout	-	A	A	A	A	A	A	-	-	-
4704/7955												
Chambers Twp.												
Nipissing Dist.												
Laundrie Lake	Hg, other metals	Lake Trout	-	-	A	A	A	A	B	-	-	-
4707/8052												
Howey Twp.												
Sudbury Dist.												
Miskokway Lake	Hg.	Smallmouth Bass	-	-	A	A	B	-	-	-	-	-
4539/8014	Hg.	Cisco	-	A	A	-	-	-	-	-	-	-
Burton Twp.												
Parry Sound Dist.												

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Trout Lake 4535/8010 Burpee Twp. Parry Sound Dist.	Hg.	Smallmouth Bass	-	-	-	A	A	A	-	-	-	-
Wawa Lake 4801/8443 McMurray Twp. Algoma Dist.	Hg.	Lake Trout	A	A	A	A	A	A	A	A	A	-
Northwestern Region												
Clay Lake 5003/9330 Redvers Twp. Kenora Dist.	Hg, PCB, Mirex, Pest. " "	Walleye Northern Pike Whitefish	- - -	- B -	- B -	C C -	D C -	D D B	D D B	D D -	D D -	D D -
Crossecho Lake 4953/9224 Echo Twp. Kenora Dist.	Hg.	Northern Pike	-	-	-	-	-	A	A	A	A	A
Eagle Lake 4942/9313 Kenora Dist.	Hg. Hg. Hg.	Northern Pike Whitefish Walleye	- - -	- - -	- - -	- - -	- - -	- A A	- A A	A - A	B - -	- - -
Gowan Lake 4845/8604 Thunder Bay Dist.	Hg.	Northern Pike	-	-	-	-	A	B	B	C	D	D
Hays Lake 4848/8711 Priske Twp. Thunder Bay Dist.	Hg.	Northern Pike	-	-	-	-	-	B	B	C	C	-
Jackfish Lake 4850/8657 Syine Twp. Thunder Bay Dist.	Hg, PCB, Mirex, Pest. " Hg. Hg.	Walleye Northern Pike White Sucker Yellow Perch	- - - -	- - - -	- - A B	- - A B	- - A C	B - A D	C A A -	D B - -	D B - -	- - - -
Kam River (Hwy. 61) 4821/8919 Neebing Twp. Thunder Bay Dist.	Hg, PCB, Mirex. Hg.	Walleye White Sucker	- -	- -	A -	A -	B A	B A	B -	B -	- -	- -
Lac des Mille Lacs 4850/9030 Thunder Bay Dist.	Hg. Hg. Hg.	Whitefish Walleye Yellow Perch	- - -	- - -	- A A	- A A	A A -	A A -	A B -	- B -	- - -	- - -
Molson Lake 4840/8553 Bomby Twp. Thunder Bay Dist.	Hg.	Northern Pike	-	-	-	-	-	-	C	D	-	-
Niobe Lake 4843/9120 Rainy River Dist.	Hg. Hg. Hg.	Walleye Smallmouth Bass Northern Pike	- A -	A A -	A A -	A A -	B A A	B B B	B - B	C - B	- - -	- - -
Pan Lake 4851/8558 Thunder Bay Dist.	Hg.	Northern Pike	-	-	-	-	-	-	A	B	-	-
Sandybeach Lake 4949/9221 MacFie & McAree Twps. Kenora Dist.	Hg. Hg. Hg.	Northern Pike Whitefish Lake Trout	- - -	- - -	- - -	- - -	A - -	A A -	A A -	A - B	A - B	A - B
Tablerock Lake 4952/9223 McAree Twp. Kenora Dist.	Hg.	Northern Pike	-	-	-	-	A	A	A	A	A	B
Tom Chief Lake 4953/9222 McAree Twp. Kenora Dist.	Hg.	Northern Pike	-	-	-	A	A	A	A	B	B	C
Wabigoon River (at Segise Lake) 5009/9339 Kenora Dist.	Hg. Hg. Hg.	Whitefish Northern Pike Walleye	- - -	- - -	- - -	- - C	- D D	B D D	B D D	- D D	- D D	- D -
Great Lakes												
Detroit River (Fighting Island) 4213/8307 Essex Co.	Hg, PCB, Mirex, Pest., 2,3,7,8-TCDD. Hg, PCB, Mirex, Pest. " " "	Yellow Perch Walleye Rock Bass White Bass Freshwater Drum	A - A - -	A - A - -	A - B A A	- - B A A	- A - B B	- A - - -	- A - - -	- - - - -	- - - - -	- - - - -
Lake Huron #H1 (Thomas Bay, Manitoulin Island) 4530/8155 Manitoulin Dist.	Hg, PCB, Mirex, Pest. Hg, PCB, Mirex. Hg.	Lake Trout Bloater Cisco	- - -	- - -	- - -	- - -	- A A	A A A	A - A	X - -	- - -	- - -
Georgian Bay GB#4 (Nottawasaga River) 4432/8000 Sunnidale Twp. Simcoe Co.	Hg, PCB, Mirex, Pest.	Rainbow Trout	-	-	-	-	-	-	A	A	A	B
Georgian Bay GB#4 (Matchedash Bay) 4444/7940 Simcoe Co.	Hg, PCB, Mirex, Pest.	Carp	-	-	-	-	-	A	A	A	A	A
Lake Superior #7 (Montreal River mouth) 4714/8439 Algoma Dist.	Hg, PCB, Mirex, Pest.	Lake Trout	-	-	-	-	-	-	A	A	-	-

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Central Region												
Lake Louisa 4528/7829 Lawrence Twp. Haliburton Co.	Hg, PCB, Mirex, Pest.	Lake Trout	-	-	-	A	A	B	B	-	-	-
Northeastern Region												
Delano Lake 4531/7836 Canisbay Twp. Nipissing Dist.	Hg.	Lake Trout	-	-	-	-	A	A	B	-	-	-
Opeongo Lake 4542/7822 Bower Twp. Nipissing Dist.	Hg, PCB, Mirex, Pest. " Hg.	Lake Trout Smallmouth Bass Whitefish	- - -	- - -	- A -	A A -	A B A	A B A	B - A	B - -	C - -	- - -
Redrock Lake 4546/7828 Bower Twp. Nipissing Dist.	Hg.	Speckled Trout	-	-	-	A	A	B	-	-	-	-
Smoke Lake 4531/7841 Peck Twp. Nipissing Dist.	Hg, PCB, Mirex, Pest. " " "	Ling Smallmouth Bass Lake Trout Whitefish	- - - -	- A - -	- A - -	- A A A	- B A A	B - A A	B - A -	B - A -	C - B -	- - B -
Northwestern Region												
Ball Lake 5018/9400 Kenora Dist.	Hg. Hg. Hg. Hg. Hg. Hg. Hg. Hg. Hg.	Northern Pike Walleye Whitefish White Sucker Mooneye Yellow Perch Sauger Smallmouth Bass Cisco	- - - - - - - - -	- - - - - B C - -	- A - - A C D - -	- B A A B D D - -	B B A B C D D D D	B C A C D D D D D	C D A D - - - - -	D D B D - - - - -	D D - D - - - - -	D D - - - - - - -
Crooked Pine Lake 4847/9104 Trottier & Weaver Twp. Rainy River Dist.	Hg. Hg. Hg.	Walleye Northern Pike Cisco	- - -	- - A	- - A	- - A	A - A	A A -	B A -	B A -	B B -	- B -
Greenwater Lake 4834/9026 Thunder Bay Dist.	Hg. Hg. Hg. Hg.	Whitefish Cisco Yellow Perch Lake Trout	- A A -	A A - -	A A - A	A A - A	A A - A	A - - A	A - - A	- - - B	- - - B	- - - -
Muskeg Lake 4900/9002 Gibbard Twp. Thunder Bay Dist.	Hg. Hg.	Northern Pike Yellow Perch	- -	- A	- -	A -	A -	A -	A -	B -	- -	- -
Pickerel Lake 4837/9119 Rainy River Dist.	Hg, PCB, Mirex, Pest. " " " Hg. Hg.	Northern Pike Lake Trout Smallmouth Bass Walleye Whitefish Cisco	- - A - A A	A - A - A A	A - A A A A	A - A A A A	A A A A A -	A B B B A -	B B - B A -	B B - C A -	C C - D - -	C C - D - -
Separation Lake 5014/9424 Kenora Dist.	Hg. Hg. Hg. Hg. Hg. Hg. Hg. Hg. Hg.	Redhorse Sucker Northern Pike Mooneye Walleye Whitefish Cisco Sauger White Sucker Ling Yellow Perch	- - - - - A - - - -	- - A B - A C - - C	- - A B A A D - - D	- A B C A A D A - -	B A C C A A D B B -	C B D D A B D B B -	D C - D A - - B C -	D D - D A - - - - -	D D - D - - - - - -	- D - D - - - - - -

LAKE LOCATION CO-ORDINATES	CONTAMINANTS SAMPLED	SPECIES	SIZE RANGE IN CENTIMETRES (INCHES)									
			< 15 < 6	15-20 6-8	20-25 8-10	25-30 10-12	30-35 12-14	35-45 14-18	45-55 18-22	55-65 22-26	65-75 26-30	> 75 > 30
Tetu Lake	Hg.	Walleye	-	A	A	A	B	B	C	C	D	D
5011/9502	Hg.	Northern Pike	-	-	-	-	A	A	B	C	C	D
Kenora Dist.	Hg.	Sauger	-	C	C	D	D	D	-	-	-	-
	Hg.	Cisco	A	A	A	A	A	C	-	-	-	-
	Hg.	White Sucker	-	-	-	B	B	C	-	-	-	-
	Hg.	Sturgeon	-	-	-	-	-	-	-	-	-	D
	Hg.	Whitefish	-	-	-	-	-	A	A	A	-	-
Whitefish Lake	Hg.	Northern Pike	A	A	A	A	A	A	A	A	A	A
4813/9000	Hg.	Walleye	A	A	A	A	A	A	A	B	B	-
Strange & Lismore Twps. Thunder Bay Dist.												
Great Lakes												
Lake Ontario #1 (Long Branch)	Hg, PCB, Mirex, Pest.	White Sucker	-	-	-	-	A	A	A	-	-	-
4335/7932	"	Lake Trout	-	-	A	A	A	A	X	X	X	-
Metro Toronto												
Lake Ontario #1 (Humber Bay area)	Hg, PCB, Mirex, Pest.,											
Metro Toronto	2,3,7,8-TCDD.	Rainbow Smelt	A	A	A	-	-	-	-	-	-	-
	"	Lake Trout	-	-	A	A	A	A	X	X	X	-
	"	White Sucker	-	A	A	A	A	A	A	-	-	-
	"	Rainbow Trout	-	-	A	A	A	A	A	-	-	-
	Hg, PCB, Mirex, Pest.	Brown Bullhead	-	A	A	X	X	-	-	-	-	-
	"	White Bass	A	X	X	X	X	-	-	-	-	-
	"	Yellow Perch	A	A	X	X	X	-	-	-	-	-
	"	Northern Pike	-	-	-	A	A	A	X	-	-	-
	"	Carp	-	A	A	A	B	-	-	-	-	-
	"	Largemouth Bass	-	-	A	A	A	-	-	-	-	-
Lake Ontario #6 (Main Duck Island)	Hg, PCB, Mirex, Pest.	American Eel	-	-	-	-	-	-	X	X	X	X
4356/7637	"	Lake Trout	-	-	-	-	-	X	X	X	X	-
Prince Edward Co.												
St. Lawrence River (Lake Ontario #7)	Hg, PCB, Mirex, Pest.	Walleye	-	-	-	-	A	B	B	C	D	D
(Lake St. Francis)	"	Northern Pike	-	-	-	A	A	A	B	B	C	D
4508/7425	"	Sturgeon	-	-	-	-	-	-	X	X	X	X
Glengarry Co.	"	Yellow Perch	A	A	A	B	-	-	-	-	-	-
	"	Channel Catfish	-	-	-	-	X	X	X	X	-	-
	"	White Sucker	-	-	-	-	A	A	A	A	-	-
	"	Pumpkinseed	A	A	-	-	-	-	-	-	-	-
	"	Brown Bullhead	-	-	A	A	A	-	-	-	-	-

ENVIRONMENT ONTARIO BULLETIN

August 1982

ENVIRONMENTAL HEALTH BULLETIN

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(Expressed in meals per week or month with a meal consisting of an 8-ounce portion)

CATEGORY	LENGTH OF FISHING VACATION			
	ONE WEEK	TWO WEEKS	THREE WEEKS	LONG-TERM CONSUMERS *
A	← NO RESTRICTIONS →			
B	10 Meals/Week	5 Meals/Week	4 Meals/Week	1 Meal/Week
C	7 Meals/Week	4 Meals/Week	3 Meals/Week	3 Meals/Month
D	← NO CONSUMPTION →			
X	1 or 2 Meals/Week	1 or 2 Meals/Week	1 or 2 Meals/Week	1 or 2 Meals/Month

\- indicates that fish from these size ranges were not collected and consumption guidelines are not available.

* For the purpose of these guidelines, those people who fish on and off for part of the year exceeding three weeks are considered long-term consumers.

NOTE: WOMEN OF CHILDBEARING AGE AND CHILDREN UNDER 15 YEARS OF AGE SHOULD EAT ONLY FISH FROM THE "A" CATEGORY.

The recommended maximum consumption levels depend upon the period of time over which fish are consumed (1 week, 2 weeks, etc.) and the contaminant concentration in the fish. The categories A, B, C, and D in the above guideline represent levels of mercury from less than 0.5 parts per million (A) to over 1.5 parts per million (D). Fish categorized as "X" contain one or more organic contaminants (PCB, DDT, mirex, or 2,3,7,8-TCDD) at concentrations exceeding federal, unrestricted consumption guidelines.

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2. Measure the length of the fish from the tip of the tail to the tip of the nose.

3. Check the lake table for the appropriate lake.

4. Note the category letter for the particular fish you are checking.

5. Determine the consumption recommendations from the "Fish Consumption Guidelines" table above.

As well as the lake name and its geographical location, the table includes the species of fish collected and the contaminants sampled for (e.g. Hg-mercury) and the level of contaminant in fish of each size caught as represented by a category letter defined above.

For any given fish and location, the fact that analysis was performed for a specific contaminant does not necessarily indicate that it was detected.

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The Ontario Government is continuing to sample fish from many lakes throughout the Province. As further information on additional waterbodies becomes available, listings will be made available to the media and data can be obtained from the local offices of the ministries of the Environment and Natural Resources.

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(Version francaise disponible)

LAKE LOCATION CO-ORDINATES	CONTAMINANTS SAMPLED	SPECIES	SIZE RANGE IN CENTIMETRES (INCHES)									
			< 15 < 6	15-20 6-8	20-25 8-10	25-30 10-12	30-35 12-14	35-45 14-18	45-55 18-22	55-65 22-26	65-75 26-30	> 75 > 30
Southeastern Region												
Cashel Lake 4455/7733 Cashel Twp. Hastings Co.	Hg.	White Sucker	-	-	-	A	A	A	A	-	-	-
West-Central Region												
Grand River (Blair) 4323/8023 Waterloo R.M.	Hg, PCB, Mirex, Pest.	Smallmouth Bass	A	A	A	A	A	A	-	-	-	-
	"	Northern Pike	-	-	-	-	-	A	A	A	A	A
Southwestern Region												
Thames River (Jeanettes Creek) 4220/8225 Tilbury East Twp. Kent Co.	Hg, PCB, Mirex, Pest.	Walleye	-	-	-	-	-	A	B	-	-	-
Northeastern Region												
Abitibi River (Moose River) 5103/8055 Cochrane Dist.	Hg, other metals	Northern Pike	-	-	-	-	-	A	A	B	-	-
	"	Walleye	-	-	-	A	A	B	C	D	-	-

		SIZE RANGE IN CENTIMETRES (INCHES)						
		45-55 18-22	55-65 22-26	65-75 26-30	75-90 30-35	90-100 35-40	100-115 40-45	115-150 45-60
	Hg, other metals, PCB, Mirex, Pest.	Sturgeon	A	A	A	B	B	C
Beaton Lake 4853/8448 Gourlay & Breckenridge Twps Algoma Dist.	Hg.	Northern Pike	-	-	-	-	A	A	B	-	-
Flack Lake 4635/8247 Raimbault Twp. Algoma Dist.	Hg.	Lake Trout	-	-	-	A	A	A	A	-	-	-
Gourlay Lake 4852/8455 Gourlay Twp. Algoma Dist.	Hg.	Walleye	-	A	A	A	A	B	B	-	-	-
	Hg.	Northern Pike	-	-	-	-	A	A	A	-	-	-
Lake Lavieille 4551/7814 Anglin & Dickson Twps. Nipissing Dist.	Hg.	Speckled Trout	-	-	-	-	A	A	-	-	-	-
	Hg.	Whitefish	-	-	-	A	A	A	-	-	-	-
Sill Lake 4646/8415 Van Koughnet Twp. Algoma Dist.	Hg.	Speckled Trout	-	A	A	A	A	B	-	-	-	-
Timberwolf Lake 4541/7848 Hunter Twp. Nipissing Dist.	Hg.	Lake Trout	-	-	-	-	-	B	C	D	-	-
White Partridge Lake 4550/7806 Niven Twp. Nipissing Dist.	Hg.	Speckled Trout	-	-	A	A	A	-	-	-	-	-
Northwestern Region												
High Lake 4942/9508 Ewart Twp. Kenora Dist.	Hg.	Lake Trout	-	-	-	-	-	-	-	B	B	-
	Hg.	Northern Pike	-	-	-	-	-	-	-	B	B	-
Great Lakes												
Lake Ontario # 1 (Burlington Bay, Hamilton Harbour) 4317/7950 Hamilton-Wentworth R.M.	Hg, PCB, Mirex, Pest.	Rainbow Smelt	A	A	-	-	-	-	-	-	-	-
	"	White Perch	A	A	A	A	X	-	-	-	-	-
	"	Brown Bullhead	-	A	A	A	A	X	-	-	-	-
	"	Carp	-	-	A	A	A	A	A	A	A	X
	"	Northern Pike	-	-	-	-	-	-	A	A	A	-
Lake Ontario # 1 (Hearn Generating Station - Outer Harbour) 4339/7920 Toronto	Hg, PCB, Mirex, Pest.	Carp	-	-	-	-	-	-	-	-	X	X
	"	White Bass	-	-	A	A	A	B	-	-	-	-
	"	White Perch	-	A	A	-	-	-	-	-	-	-
	"	Yellow Perch	A	A	A	A	B	-	-	-	-	-
	"	Rainbow Trout	-	-	A	A	A	A	-	-	-	-
	"	Brown Trout	-	-	-	A	A	-	-	-	-	-
	"	Gizzard Shad	-	-	-	-	A	X	X	-	-	-
	"	Northern Pike	-	-	-	-	A	A	A	A	A	B
	Hg, PCB, Mirex, Pest., 2,3,7,8-TCDD	Rainbow Smelt	A	A	A	-	-	-	-	-	-	-
Lake Ontario # 4 (Bay of Quinte) (Trenton to Belleville) Hastings & Prince Edward Co's.	Hg, PCB, Mirex, Pest.	Walleye	-	-	-	-	A	A	A	B	X	-
	Hg.	Yellow Perch	A	A	-	-	-	-	-	-	-	-

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			< 15 < 6	15-20 6-8	20-25 8-10	25-30 10-12	30-35 12-14	35-45 14-18	45-55 18-22	55-65 22-26	65-75> 26-30>	75 30
Lake Ontario # 4 (Bay of Quinte) (Belleville, Telegraph Narrows, Long Reach) Hastings & Prince Edward Co's.	Hg, PCB, Mirex, Pest.	Walleye	-	-	-	-	A	A	A	-	-	-
	"	Largemouth Bass	-	-	-	A	A	A	-	-	-	-
	"	Carp	-	-	-	-	-	-	-	A	A	A
Lake Ontario # 4 (Bay of Quinte) (Hay Bay) 4410/7656 Lennox & Addington Co.	Hg, PCB, Mirex, Pest., 2,3,7,8-TCDD	White Perch	A	A	A	-	-	-	-	-	-	-
	"	Yellow Perch	A	A	-	-	-	-	-	-	-	-
	Hg, PCB, Mirex, Pest.	Gizzard Shad	-	-	-	-	A	A	-	-	-	-
	"	Walleye	-	-	-	-	-	A	A	X	D	D
Lake Ontario # 6 (Prince Edward Bay, Long Point) 4357/7657 S. Marysburg Twp. Prince Edward Co.	Hg, PCB, Mirex, Pest.	American Eel	-	-	-	-	-	-	X	X	X	X
Lake Ontario # 6 (Main Duck Island) 4356/7637 Prince Edward Co.	Hg, PCB, Mirex, Pest.	Amercian Eel	-	-	-	-	-	-	X	X	X	X
Lake Erie # 1 (Western Basin)	Hg, PCB, Mirex, Pest.	Rainbow Smelt	A	A	A	-	-	-	-	-	-	-
	"	Rainbow Trout	-	-	A	A	A	A	A	A	X	-
	"	Smallmouth Bass	-	-	-	A	A	B	-	-	-	-
	"	Walleye	-	-	-	-	A	A	A	A	-	-
	"	Coho	-	-	A	A	A	A	A	A	A	-
	"	White Bass	-	-	A	A	A	B	-	-	-	-
	"	White Sucker	-	-	A	A	A	A	A	-	-	-
	"	Freshwater Drum	-	-	-	A	A	B	B	-	-	-
	"	Channel Catfish	-	-	A	A	X	X	X	-	-	-
Lake Erie # 3 (Central Basin)	Hg, PCB, Mirex, Pest.	Channel Catfish	-	-	-	-	X	X	-	-	-	-
	"	White Bass	-	A	A	A	A	A	-	-	-	-
	"	Coho	-	-	A	A	A	A	A	A	-	-
	Hg.	White Sucker	-	-	-	A	A	A	A	-	-	-
	Hg.	Freshwater Drum	-	-	-	A	A	B	C	-	-	-
Lake Erie # 4 (Long Point Bay) 4240/8010 Haldimand-Norfolk R.M.	Hg, PCB, Mirex, Pest., 2,3,7,8-TCDD	Rainbow Trout	-	-	-	-	-	A	A	A	A	A
	Hg, PCB, Mirex, Pest.	Coho	-	-	-	-	-	-	A	A	A	A
	"	Rock Bass	A	A	A	-	-	-	-	-	-	-
	"	Largemouth Bass	-	A	A	A	A	A	-	-	-	-
	"	Yellow Perch	A	A	A	A	A	-	-	-	-	-
	"	Brown Bullhead	-	-	A	A	A	A	-	-	-	-
	"	Channel Catfish	-	-	-	-	A	A	A	A	B	B
	"	Smallmouth Bass	-	A	A	A	A	A	A	-	-	-
	"	Northern Pike	-	-	-	-	-	A	A	A	A	-
	"	Rainbow Smelt	A	A	A	-	-	-	-	-	-	-
	"	White Bass	-	A	A	A	A	-	-	-	-	-
	"	Carp	-	-	-	-	A	A	A	A	A	A
	"	White Sucker	-	-	-	-	-	A	A	B	-	-
	"	Freshwater Drum	-	-	A	A	A	B	-	-	-	-

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Ontario Ministry of the Environment

Hon. Keith C. Norton, Q.C., Minister

Gérard J. M. Raymond, Deputy Minister

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Central Region												
Raven Lake	Hg.	Lake Trout	-	-	-	-	A	A	B	C	D	-
4512/7851	Hg.	Smallmouth Bass	-	-	A	A	A	B	B	-	-	-
Sherbourne Twp.												
Haliburton Co.												
West-Central Region												
Grand River	2,3,7,8-TCDD.	Smallmouth Bass	-	A	A	A	A	-	-	-	-	-
(Breslau)	"	Rock Bass	A	A	-	-	-	-	-	-	-	-
4328/8025												
Waterloo R.M.												
Northeastern Region												
Kenogaming Lake	Hg.	Whitefish	-	-	-	A	A	A	-	-	-	-
4805/8155	Hg.	Northern Pike	-	-	-	-	A	A	A	B	B	C
Regan & Kenogaming Twps.	Hg.	White Sucker	-	A	A	A	A	A	-	-	-	-
Sudbury Dist.	Hg.	Walleye	-	-	A	A	A	A	B	C	D	-
Lac La France	Hg.	Walleye	-	-	-	-	B	B	-	-	-	-
4920/8028												
Bragg Twp.												
Cochrane Dist.												
Little Abitibi Lake	Hg.	Northern Pike	-	-	-	-	A	B	B	C	D	-
4924/8033	Hg.	Walleye	-	-	-	A	A	A	-	-	-	-
Sangster Twp.												
Cochrane Dist.												
Little Kesagami Lake	Hg.	Walleye	-	-	-	A	A	A	B	-	-	-
4945/8016	Hg.	Northern Pike	-	-	-	-	-	A	A	A	B	B
Cochrane Dist.												
Lower Tweed Lake	Hg, As.	Walleye	-	-	-	-	A	B	B	-	-	-
4932/8016	Hg, As.	Northern Pike	-	-	-	-	-	A	A	B	C	-
Tweed & Blakelock Twps.												
Cochrane Dist.												
Mattagami Lake	Hg.	Walleye	-	-	-	A	B	C	D	D	D	-
4752/8135	Hg.	Northern Pike	-	-	A	A	A	A	B	C	D	D
Sudbury Dist.	Hg.	Whitefish	-	-	A	A	A	A	B	-	-	-
Mistango Lake	Hg.	Northern Pike	-	-	-	-	-	A	A	B	B	-
4907/8027												
Freele Twp.												
Cochrane Dist.												
Nellie Lake	Hg.	Northern Pike	-	-	-	-	-	B	C	D	D	D
4848/8048												
Calvert & Aurora Twps.												
Cochrane Dist.												
Nettogami Lake	Hg.	Walleye	-	-	-	-	A	B	-	-	-	-
5013/8034	Hg.	Northern Pike	-	-	-	-	-	A	A	A	B	-
Cochrane Dist.												
North Tweed Lake	Hg, As.	Northern Pike	-	-	-	-	-	A	A	B	-	-
4936/8017												
Cochrane Dist.												
			100-115 40-45		115-150 45-60							
Ottawa River	Hg.	Sturgeon	A		A							
(Mattawa to												
Deux Rivières)												
4611/7830												
Papineau, Cameron												
& Clara Twps.												
Nipissing Dist.												
Ouellet Lake	Hg.	Walleye	-	-	-	-	B	B	C	C	-	-
4919/8147												
Haggart Twp.												
Cochrane Dist.												
Rawcourt Lake	Hg.	Northern Pike	-	-	-	A	A	A	A	B	B	-
4905/8112												
Clute Twp.												
Cochrane Dist.												
Reaume Lake	Hg.	Northern Pike	-	-	-	-	-	A	B	B	-	-
4854/8108												
Reaume Twp.												
Cochrane Dist.												
Shirley Lake	Hg, As.	Northern Pike	-	-	-	-	A	A	B	C	D	-
4927/8027												
Tweed Twp.												
Cochrane Dist.												
South Floodwood Lake	Hg.	Walleye	-	-	-	-	A	B	B	-	-	-
4922/8019	Hg.	Northern Pike	-	-	-	-	-	-	A	B	B	C
Bragg Twp.												
Cochrane Dist.												
Upper Kesagami Lake	Hg, As.	Walleye	-	-	-	-	B	B	C	-	-	-
4940/8017												
Cochrane Dist.												
Wakwayowkastic Lake	Hg, As.	Walleye	-	-	-	-	A	B	C	-	-	-
4936/8019	Hg, As.	Northern Pike	-	-	-	-	A	A	B	B	B	C
Cochrane Dist.												
Wilson Lake	Hg.	Northern Pike	-	-	-	-	-	A	B	B	B	-
4844/8049	Hg.	Yellow Perch	-	-	A	B	-	-	-	-	-	-
McCart Twp.												
Cochrane Dist.												
Zinger Lake	Hg.	Walleye	-	-	-	-	-	B	D	-	-	-
4925/8044												
Potter Twp.												
Cochrane Dist.												
Lake 17H-51	Hg, As.	Walleye	-	-	-	-	A	B	B	-	-	-
4931/8019	Hg, As.	Northern Pike	-	-	-	-	-	A	A	B	B	C
Tweed Twp.												
Cochrane Dist.												

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Lake 21I-04 5004/8019 Cochrane Dist.	Hg, As.	Northern Pike	-	-	-	-	A	A	B	C	D	-
Northwestern Region												
Bruce Lake 5049/9320 Kenora Dist.	Hg. Hg. Hg.	Walleye Northern Pike White Sucker	- - -	- - A	- - A	A A A	A A A	B A A	B A A	C B -	- B -	- C -
Eagle Lake 4942/9313 Kenora Dist.	Hg. Hg.	Walleye Northern Pike	- -	- -	- -	- -	- -	A -	A -	B A	- B	- -
Fields Lake 4919/8524 Thunder Bay Dist.	Hg. Hg.	Walleye Northern Pike	- -	- -	- -	A -	A -	B A	C B	D B	- C	- -
Missisa Lake 5218/8512 Kenora Dist.	Hg. Hg. Hg.	White Sucker Walleye Whitefish	- - -	- - -	- - A	- - A	- A A	A B A	A C -	- - -	- - -	- - -
Lake Nipigon (Ombabika Bay) 5012/8815 Thunder Bay Dist.	Hg, PCB. " " "	Walleye Longnose Sucker Sauger Cisco	- - - -	- - - -	- - A A	A - A A	A A A A	B A - -	B - - -	- - - -	- - - -	- - - -
Pakwash Lake 5045/9330 Kenora Dist.	Hg. Hg. Hg.	Walleye White Sucker Northern Pike	- - -	- - -	A - -	A A -	A A -	A A A	A A A	B - A	- - A	- - B
Trout Lake 5115/9315 Kenora Dist.	Hg.	Walleye	-	-	-	-	-	A	B	C	D	-
Great Lakes												
(Lower) Niagara River (Queenston) 4310/7903 Niagara R.M.	Hg, PCB, Mirex, Pest., 2,3,7,8-TCDD. " 2,3,7,8-TCDD. " " " Hg, PCB, Mirex, Pest. PCB, Mirex, Pest. 2,3,7,8-TCDD. "	American Eel Yellow Perch Walleye Rainbow Trout Northern Pike Muskie White Sucker Coho Rock Bass Smallmouth Bass	- - - - - - - - - -	- A - - - - - - A A	- A - - - - - - A A	- A - - - - A - - A	- - - - - - A - - A	- - - - - - A - - A	A - A - A - B - - -	X - - A - A - X - -	X - - - - - - X - -	X - - - - - - X - -
Lake Ontario #1 (Credit River) (Clarkson) 4333/7935 Peel R.M.	Hg, PCB, Mirex, Pest., 2,3,7,8-TCDD. Hg, PCB, Mirex, Pest. Hg, PCB, Mirex. PCB, Mirex, Pest., 2,3,7,8-TCDD.	Coho White Bass Rainbow Trout Lake Trout	- - -	- - -	- A -	- A -	A - -	X - A	X - A	X - A	X - X	X - -
Lake Ontario #1 (Humber Bay area) Metro Toronto	Hg, PCB, Mirex, Pest., 2,3,7,8-TCDD. " " Hg, PCB, Mirex, Pest. " " " " "	Rainbow Smelt Lake Trout White Sucker Brown Bullhead White Bass Yellow Perch Northern Pike Carp Largemouth Bass	A - - - A A - - -	A - A A X A - A -	A - A A X X - A A	- - A X X X A A B	- - A X X X A - A	- X X - - - A - -	- X X - - - X - -	- X - - - - - - -	- - - - - - - - -	- - - - - - - - -
Lake Ontario #2 (Ganaraska River) (Port Hope) 4357/7818 Hope Twp. Northumberland Co.	Hg, PCB, Mirex, Pest. Hg, PCB, Mirex, Pest., 2,3,7,8-TCDD.	Rainbow Smelt Rainbow Trout	X -	X -	- -	- -	- X	- X	- X	- X	- X	- X
Lake Erie #4 (Selkirk Park area) 4249/7958 Walpole Twp. Haldimand-Norfolk R.M.	Hg, PCB, Mirex, Pest.	Yellow Perch	-	A	A	A	A	-	-	-	-	-
Lake St. Clair 4228/8240 Essex & Kent Cos.	Hg, PCB, Mirex, Pest. " " " " " Hg. Hg. Hg. Hg. Hg. Hg. Hg. Hg. Hg. Hg. Hg, PCB, Mirex, Pest.	Walleye White Bass Channel Catfish Smallmouth Bass Yellow Perch Carp Rock Bass Northern Pike White Sucker Black Crappie Largemouth Bass Bluegill Pumpkinseed Freshwater Drum Quillback Carpsucker Redhorse Sucker Brown Bullhead	- - - - - - A - - - - - A - - - -	- - A - A - B - - A B - B - A A -	- A A A A A C - A A C - C A A A B	A B A B B C A D A A C D - B A A B	B D A C - A - - A A - D - B A A C	C - B D - A - - B A - D - B A A -	D - X - - A - - B B - D - C B A -	D - X - - B - - C B - D - C C A -	-
			65-75 26-30	75-90 30-35	90-100 35-40	100-115 40-45	115-150 45-60					
Lake St. Clair 4228/8240	Hg, PCB, Mirex, Pest. "	Muskie Sturgeon	B -	C -	D A	D B	D D					
Lake Superior #5 (Peninsula Harbour) 4844/8625 Thunder Bay Dist.	Hg, PCB, Mirex, Pest., 2,3,7,8-TCDD. Hg, PCB, Mirex, Pest. " " Hg.	Lake Trout Whitefish White Sucker Longnose Sucker Redhorse Sucker	- - - - -	- - A A A	- - A B B	A A B X B	A B B X C	A D X X D	X X D D D	X - - - -	X - - - -	X - - - -
Lake Superior #6 (southwest of Michipicoten Island) 4740/8608 Algoma Dist.	Hg.	Lake Trout	-	-	-	-	-	-	B	C	C	-

ENVIRONMENT ONTARIO BULLETIN

September, 1981

ENVIRONMENTAL HEALTH BULLETIN

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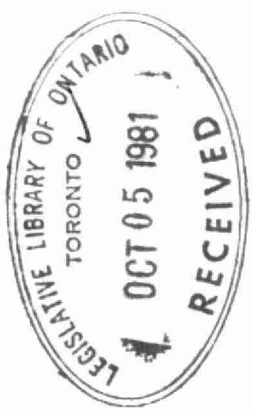
For each lake, the individual fish species tested are categorized according to size and contaminant concentration. Safe consumption limits can be determined by consulting the following "Fish Consumption Guidelines" table.

FISH CONSUMPTION GUIDELINES

(Expressed in meals per week or month with a meal consisting of an 8-ounce portion)

CATEGORY	LENGTH OF FISHING VACATION			
	ONE WEEK	TWO WEEKS	THREE WEEKS	LONG-TERM CONSUMERS *
A	← NO RESTRICTIONS →			
B	10 Meals/Week	5 Meals/Week	4 Meals/Week	1 Meal/Week
C	7 Meals/Week	4 Meals/Week	3 Meals/Week	3 Meals/Month
D	← NO CONSUMPTION →			
X	1 or 2 Meals/Week	1 or 2 Meals/Week	1 or 2 Meals/Week	1 or 2 Meals/Month



\- indicates that fish from these size ranges were not collected and consumption guidelines are not available.

* For the purpose of these guidelines, those people who fish on and off for part of the year exceeding three weeks are considered long-term consumers.

NOTE: WOMEN OF CHILDBEARING AGE AND CHILDREN UNDER 15 YEARS OF AGE SHOULD EAT ONLY FISH FROM THE "A" CATEGORY.

The recommended maximum consumption levels depend upon the period of time over which fish are consumed (1 week, 2 weeks, etc.) and the contaminant concentration in the fish. The categories A, B, C, and D in the above guideline represent levels of mercury from less than 0.5 parts per million (A) to over 1.5 parts per million (D). Fish categorized as "X" contain one or more organic contaminants (PCB, DDT, mirex, or 2,3,7,8-TCDD) at concentrations exceeding federal, unrestricted consumption guidelines.

To determine the recommended level of consumption of a given fish:

1. Identify the species.

2. Measure the length of the fish from the tip of the tail to the tip of the nose.

3. Check the lake table for the appropriate lake.

4. Note the category letter for the particular fish you are checking.

5. Determine the consumption recommendations from the "Fish Consumption Guidelines" table above.

As well as the lake name and its geographical location, the table includes the species of fish collected and the contaminants sampled for (e.g. Hg-mercury) and the level of contaminant in fish of each size caught as represented by a category letter defined above.

For any given fish and location, the fact that analysis was performed for a specific contaminant does not necessarily indicate that it was detected.

Booklets entitled "Guide to Eating Ontario Sport Fish", outlining the facts about fish contamination and the resultant health implications are now available from local offices of the ministries of the Environment and Natural Resources and in northern Ontario, the Ministry of Northern Affairs. For information concerning specific waterbodies and fish species, these local offices should be contacted.

The Ontario Government is continuing to sample fish from many lakes throughout the Province. As further information on additional waterbodies becomes available, listings will be made available to the media and data can be obtained from the local offices of the ministries of the Environment and Natural Resources.

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(Version francaise disponible)

LAKE LOCATION CO-ORDINATES	CONTAMINANTS SAMPLED	SPECIES	SIZE RANGE IN CENTIMETRES (INCHES) <15 <6	15-20 6-8	20-25 8-10	25-30 10-12	30-35 12-14	35-45 14-18	45-55 18-22	55-65 22-26	65-75> 26-30>	75 30
Southeastern Region												
Lake Clear	Hg, PCB,											
4526/7712	Mirex, Pest.	Northern Pike	-	-	-	-	-	A	A	A	A	B
Sebastopol Twp.	PCB, Mirex	Whitefish	-	-	-	-	-	X	X	-	-	-
Renfrew Co.	"	Lake Trout	-	-	-	-	-	-	X	X	-	-
	"	Yellow Perch	-	-	A	A	-	-	-	-	-	-
Dalhousie Lake	Hg, PCB,											
4458/7634	Mirex, Pest.	Walleye	-	-	A	A	A	B	B	C	D	-
Dalhousie Twp.	"	White Sucker	-	-	-	-	-	A	A	-	-	-
Lanark Co.												
White Lake	Hg.	Smallmouth Bass	-	-	A	A	A	B	C	-	-	-
4518/7631	Hg, PCB,											
Darling Twp.	Mirex, Pest.	Brown Bullhead	-	-	-	A	A	-	-	-	-	-
Lanark Co.												
Central Region												
Farrel Lake	Hg, PCB,											
4457/7806	Mirex.	White Sucker	-	-	-	A	A	A	A	-	-	-
Cardiff Twp.												
Haliburton Co.												
West-Central Region												
Lynn River	Hg, PCB,											
4250/8020	Mirex, Pest.	White Sucker	A	A	A	A	A	-	-	-	-	-
Haldimand-Norfolk R.M.	"	Rock Bass	A	A	-	-	-	-	-	-	-	-
	"	Pumpkinseed	A	-	-	-	-	-	-	-	-	-
Northeastern Region												
Bardney Lake	Hg.	Northern Pike	-	-	-	-	-	-	B	C	C	D
4715/8228												
Hubbard & Abney Twps.												
Sudbury Dist.												
Granitehill Lake	Hg.	Walleye	-	A	A	A	A	A	A	B	-	-
4906/8515												
Drew Twp.												
Algoma Dist.												
Kabinakagami Lake	Hg.	Walleye	-	A	A	B	B	B	C	D	-	-
4854/8425	Hg.	Northern Pike	-	-	-	-	-	A	B	B	B	B
Algoma Dist.												
Obakamiga Lake	Hg.	Walleye	-	-	A	A	A	A	A	B	-	-
4909/8509	Hg.	Northern Pike	-	-	-	A	A	A	A	A	A	-
Cholette Twp.												
Algoma Dist.												
Opeepeesway Lake	Hg.	Northern Pike	-	-	-	-	A	A	B	B	B	C
4737/8215	Hg.	Whitefish	-	-	-	-	-	A	-	-	-	-
Osway & Huffman Twps.												
Sudbury Dist.												
Rice Lake	Hg.	Whitefish	-	-	-	-	A	A	A	-	-	-
4743/8208												
Eric & Frater Twps.												
Sudbury Dist.												
Rush Lake	Hg.	Whitefish	-	-	-	-	-	A	A	-	-	-
4747/8211	Hg.	Northern Pike	-	-	-	-	-	-	-	C	D	D
Genoa & Marion Twps.												
Sudbury Dist.												
Vermilion Lake	Hg, PCB,											
4630/8126	Mirex, Pest.	Walleye	-	A	A	A	B	B	B	B	-	-
Fairbank Twp.	"	Smallmouth Bass	-	A	A	A	A	B	-	-	-	-
Sudbury Dist.	"	Yellow Perch	A	A	A	A	A	-	-	-	-	-
Windermere Lake	Hg.	Walleye	-	-	A	A	A	B	B	B	B	-
4758/8347	Hg.	Northern Pike	-	-	-	-	-	A	B	B	B	C
Druilettes, Bliss &	Hg.	Smallmouth Bass	-	-	-	A	A	B	-	-	-	-
& Gilliland Twps.	Hg.	Whitefish	-	-	-	-	A	A	-	-	-	-
Sudbury Dist.												
Northwestern Region												
Jojo Lake	Hg.	Cisco	-	-	A	A	B	-	-	-	-	-
5017/8853												
Thunder Bay Dist.												
Whitestone Lake	Hg.	Northern Pike	-	-	-	-	A	A	B	C	-	-
5157/9157	Hg.	Walleye	-	A	A	B	B	B	C	D	-	-
Kenora Dist.												
Great Lakes												
Lake Ontario #1	Hg, PCB,											
(Bronte Creek)	Mirex, Pest.	Chinook	-	-	-	-	-	-	-	-	X	X
4324/7943	"	Rainbow Smelt	A	A	-	-	-	-	-	-	-	-
Halton R.M.	"	Coho	-	-	-	-	-	A	A	X	X	X
Lake Ontario #1	Hg, PCB,											
(Toronto Islands -	Mirex, Pest.	Rainbow Smelt	A	A	-	-	-	-	-	-	-	-
Inner Harbour)	"	Yellow Perch	A	A	A	-	-	-	-	-	-	-
4350/7925	"	White Sucker	-	-	-	A	A	A	A	A	A	A
Metro Toronto	"	Northern Pike	-	-	-	-	-	-	A	A	A	B
Lake Ontario #1	Hg, PCB,											
(Hearn Generating Station	Mirex, Pest.	Carp	-	-	-	-	-	-	-	-	X	X
- Outer Harbour)	"	White Bass	-	-	A	A	A	B	-	-	-	-
4339/7920	"	White Perch	-	A	A	-	-	-	-	-	-	-
Toronto	"	Yellow Perch	A	A	A	A	B	-	-	-	-	-
	"	Rainbow Trout	-	-	A	A	A	A	-	-	-	-
	"	Brown Trout	-	-	-	A	A	-	-	-	-	-
	"	Gizzard Shad	-	-	-	-	A	X	X	-	-	-
	"	Northern Pike	-	-	-	-	A	A	A	A	A	A
	PCB, Mirex, Pest., 2,3,7,8-TCDD	Rainbow Smelt	-	A	-	-	-	-	-	-	-	-

LAKE LOCATION CO-ORDINATES	CONTAMINANTS SAMPLED	SPECIES	SIZE RANGE IN CENTIMETRES (INCHES)									
			<15 <6	15-20 6-8	20-25 8-10	25-30 10-12	30-35 12-14	35-45 14-18	45-55 18-22	55-65 22-26	65-75> 26-30>	75 30
Lake Ontario #1 (Ashbridges Bay) 4340/7919 Toronto	Hg, PCB, Mirex, Pest.	Rainbow Smelt	A	A	A	-	-	-	-	-	-	-
	"	White Sucker	-	-	A	A	A	A	A	-	-	-
Lake Ontario #1 (Scarborough Bluffs) 4342/7914 Metro Toronto	Hg, PCB, Mirex, Pest., 2,3,7,8-TCDD	Lake Trout	-	-	-	-	-	X	X	X	-	-
	Hg, PCB, Mirex, Pest.	White Sucker	-	-	A	A	A	A	A	-	-	-
Lake Erie #1 (Western Basin)	Hg, PCB, Mirex, Pest.	Rainbow Smelt	A	A	A	-	-	-	-	-	-	-
	"	Rainbow Trout	-	-	A	A	A	A	A	A	X	-
	"	Smallmouth Bass	-	-	A	A	A	X	-	-	-	-
	"	Walleye	-	-	-	-	A	A	A	B	-	-
	"	Coho	-	-	A	A	A	A	A	A	A	-
	"	White Bass	-	-	A	A	A	B	-	-	-	-
	"	White Sucker	-	-	A	A	A	A	A	-	-	-
	"	Freshwater Drum	-	-	-	A	A	B	B	-	-	-
	Hg, PCB, Mirex.	Channel Catfish	-	-	A	A	A	X	-	-	-	-
Lake Erie #4 (Port Dover area) Haldimand-Norfolk R.M.	Hg, PCB, Mirex, Pest.	Yellow Perch	-	A	A	A	A	-	-	-	-	-
	"	Rainbow Smelt	A	A	A	-	-	-	-	-	-	-
	"	White Bass	-	-	A	A	A	A	A	-	-	-
	"	Carp	-	-	-	-	A	A	A	A	A	A
	"	Coho	-	-	-	-	-	-	-	A	A	-
	"	Rainbow Trout	-	-	-	-	-	-	-	A	A	A
	"	White Sucker	-	-	-	-	-	A	A	B	-	-
Lake Erie #4 (Nanticoke Creek) 4247/8004 Walpole Twp. Haldimand-Norfolk R.M.	Hg, PCB, Mirex, Pest.	Carp	-	-	-	-	-	B	B	B	-	-
St. Clair River 4233/8240 Lambton Co.	Hg, PCB, Mirex, Pest.	Yellow Perch	A	A	A	-	-	-	-	-	-	-
	"	White Bass	-	A	A	-	-	-	-	-	-	-
	"	Gizzard Shad	-	-	-	X	X	-	-	-	-	-
	Hg.	Walleye	-	-	-	-	-	A	A	-	-	-
Lake Huron #H2 (west of Cove Island) 4518/8157 Bruce Co.	Hg, PCB, Mirex, Pest.	Lake Trout	-	-	-	-	A	A	X	X	X	-
Lake Huron #H3 (Horseshoe Reef) 4430/8217 Bruce Co.	Hg, PCB, Mirex, Pest.	Bloater	-	-	A	A	A	A	-	-	-	-
Lake Huron GB#4 (Pyette Point to Cape Commodore) 4445/8053 Keppel Twp. Grey Co.	Hg, PCB, Mirex, Pest.	Rainbow Trout	-	-	-	-	-	A	A	A	A	-
Lake Huron NC#2 (Spanish River) 4611/8219 Algoma Dist.	Hg, PCB, Mirex, Pest.	Yellow Perch	-	-	A	A	B	-	-	-	-	-
	"	Northern Pike	-	-	-	-	A	A	A	A	A	-
	"	White Sucker	-	-	-	A	A	A	A	-	-	-
	"	Walleye	-	-	-	A	A	A	B	B	C	-
Lake Huron NC#2 (Strawberry Channel) 4555/8153 Manitoulin Dist.	Hg, PCB, Mirex, Pest.	Carp	-	-	-	-	-	-	-	A	A	-
Lake Superior #6 (Cape Gargantua, nearshore) 4735/8505 Algoma Dist.	Hg, PCB, Mirex, Pest.	Cisco	-	-	A	A	A	A	-	-	-	-

ENVIRONMENT ONTARIO BULLETIN

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(Expressed in meals per week or month with a meal consisting of an 8-ounce portion)

CATEGORY	LENGTH OF FISHING VACATION			
	ONE WEEK	TWO WEEKS	THREE WEEKS	LONG-TERM CONSUMERS *
A	← NO RESTRICTIONS →			
B	10 Meals/Week	5 Meals/Week	4 Meals/Week	1 Meal/Week
C	7 Meals/Week	4 Meals/Week	3 Meals/Week	3 Meals/Month
D	← NO CONSUMPTION →			
X	1 or 2 Meals/Week	1 or 2 Meals/Week	1 or 2 Meals/Week	1 or 2 Meals/Month

\- indicates that fish from these size ranges were not collected and consumption guidelines are not available.

* For the purpose of these guidelines, those people who fish on and off for part of the year exceeding three weeks are considered long-term consumers.

NOTE: WOMEN OF CHILDBEARING AGE AND CHILDREN UNDER 15 YEARS OF AGE SHOULD EAT ONLY FISH FROM THE "A" CATEGORY.

Ontario Ministry of the Environment

Hon. Keith C. Norton, Q.C., Minister

Graham W. S. Scott, Q.C., Deputy Minister

The recommended maximum consumption levels depend upon the period of time over which fish are consumed (1 week, 2 weeks, etc.) and the contaminant concentration in the fish. The categories A, B, C, and D in the above guideline represent levels of mercury from less than 0.5 parts per million (A) to over 1.5 parts per million (D). Fish categorized as "X" contain one or more organic contaminants (PCB, DDT or mirex) at concentrations exceeding federal, unrestricted consumption guidelines.

To determine the recommended level of consumption of a given fish:

1. Identify the species.

2. Measure the length of the fish from the tip of the tail to the tip of the nose.

3. Check the lake table for the appropriate lake.

4. Note the category letter for the particular fish you are checking.

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Southeastern Region												
Fraser Lake 4511/7739 Carlow Twp. Hastings Co.	Hg, PCB, Mirex Hg. Hg.	Smallmouth Bass Walleye Northern Pike	- - -	- - -	A - -	A - A	A A A	B B A	- B A	- B -	- C -	- - -
Mink Lake 4533/7703 Wilberforce Twp. Renfrew Co.	Hg, PCB, Mirex, Pest.	Whitefish	-	-	-	-	-	A	A	-	-	-
Mud Lake 4533/7710 Wilberforce & Grattan Twps. Renfrew Co.	Hg.	Northern Pike	-	-	-	-	-	A	A	A	-	-
Central Region												
Buck Lake 4523/7900 Sinclair Twp. Muskoka Dist.	PCB, Mirex	Smallmouth Bass	-	-	A	A	A	-	-	-	-	-
Clear Lake 4502/7901 Oakley Twp. Muskoka D.M.	Hg, PCB, Mirex, Pest.	Lake Trout	-	-	-	-	-	A	A	A	A	B
Cranberry Lake 4507/7834 Guilford Twp. Haliburton Co.	PCB, Mirex	Largemouth Bass	-	-	-	A	A	A	-	-	-	-
Fawn Lake 4510/7915 Macaulay & Stephenson Twps. Muskoka Dist.	PCB, Mirex	Largemouth Bass	-	-	A	A	A	A	A	-	-	-
Heeney Lake 4508/7906 McLean Twp. Muskoka D.M.	Hg, PCB, Mirex	Smallmouth Bass	A	A	A	B	B	B	-	-	-	-
Julian Lake 4436/7809 Burleigh Twp. Peterborough Co.	Hg, PCB, Mirex	Smallmouth Bass	-	-	A	A	B	B	C	-	-	-
Leonard Lake 4504/7927 Monck Twp. Muskoka Dist.	PCB, Mirex	Smallmouth Bass	-	-	-	A	A	A	-	-	-	-
Little Dudmon Lake 4502/7821 Dudley Twp. Haliburton Co.	Hg, PCB, Mirex Hg.	Lake Trout Rock Bass	- A	- A	- A	- -	- -	- -	- -	A -	B -	- -
Oak Lake 4436/7754 Methuen Twp. Peterborough Co.	Hg, PCB, Mirex Hg.	Smallmouth Bass Walleye	- -	- -	- -	- -	A -	B A	- A	- B	- B	- -
Percy Lake 4512/7822 Harburn Twp. Haliburton Co.	Hg, PCB, Mirex	Lake Trout	-	-	A	A	A	B	B	B	C	-
Redstone Lake 4511/7832 Guilford Twp. Haliburton Co.	Hg, PCB, Mirex Hg.	Lake Trout Whitefish	- -	A -	A -	A -	A A	A B	A -	A -	B -	- -
West Central Region												
(Lower) Welland River (east of Port Robinson) 4303/7912 Thorold Twp. Niagara R.M.	Hg, PCB, Mirex, Pest.	Channel Catfish	-	-	-	-	-	A	A	X	-	-
(Upper) Welland River 4302/7915 Pelham Twp. Niagara R.M.	Hg, PCB, Mirex, Pest.	Channel Catfish	-	-	-	A	A	A	A	A	-	-
Southwestern Region												
Avon River 4322/8057 South Easthope Twp. Perth Co.	Hg, PCB, Mirex, Pest. "	Longnose Sucker White Sucker	- -	- -	A A	A A	- -	- -	- -	- -	- -	- -
Rocky Saugeen River 4418/8040 Glenelg, Euphrasia & Artemesia Twps. Grey Co.	Hg, PCB, Mirex	Speckled Trout	-	A	A	A	-	-	-	-	-	-
Northeastern Region												
Bay Lake 4530/7912 Perry Twp. Parry Sound Dist.	Hg. Hg, PCB, Mirex, Pest.	Walleye Smallmouth Bass	- -	- B	- B	A B	A B	B B	C -	D -	D -	- -
Clear (Schamerhorn) Lake 4531/7916 Perry Twp. Parry Sound Dist.	Hg, PCB, Mirex, Pest.	Smallmouth Bass	-	-	-	A	A	B	B	-	-	-

LAKE LOCATION CO-ORDINATES	CONTAMINANTS SAMPLED	SPECIES	SIZE RANGE IN CENTIMETRES (INCHES) <15 <6	15-20 6-8	20-25 8-10	25-30 10-12	30-35 12-14	35-45 14-18	45-55 18-22	55-65 22-26	65-75> 26-30>	75 30
Katodawa Lake 4751/8148 Carter & Middleboro Twps. Sudbury Dist.	Hg. Hg.	Walleye Northern Pike	-	-	-	A	A	B	B	C	C	-
			-	-	-	-	-	A	A	A	A	-
Kenetogami Lake 4747/8138 Stetham Twp. Sudbury Dist.	Hg.	Northern Pike	-	-	-	-	-	A	B	B	B	-
Macaulay (Fox) Lake 4635/8144 Venturi Twp. Sudbury Dist.	Hg.	Smallmouth Bass	A	A	A	A	A	-	-	-	-	-
Marne Lake 4747/8119 Burrows & Kemp Twps. Sudbury Dist.	Hg.	Northern Pike	-	-	-	-	-	A	A	B	B	B
Ministic Lake 4634/8134 Ermatinger & Cascaden Twps. Sudbury Dist.	Hg.	Walleye	-	-	-	-	A	A	A	A	-	-
Paudash Lake 4718/8145 Paudash Twp. Sudbury Dist.	Hg.	Northern Pike	-	-	-	-	A	B	B	B	-	-
Sand Lake 4716/8145 Paudash Twp. Sudbury Dist.	Hg.	Northern Pike	-	-	-	-	A	B	B	C	C	-
Scott Lake 4808/8115 Bartlett Twp. Timiskiming Dist.	Hg.	Northern Pike	-	-	-	-	-	-	-	-	B	C
Separation Lake 4804/8035 Alma Twp. Timiskaming Dist.	Hg. Hg.	Northern Pike Walleye	-	-	-	-	-	A	B	B	-	-
			-	-	-	B	B	B	C	-	-	-
Tatachikapika Lake 4752/8142 Hazen Twp. Sudbury Dist.	Hg. Hg.	Walleye Northern Pike	-	-	A	B	B	C	D	D	-	-
			-	-	-	A	A	A	B	B	-	-
Three Mile Lake 4535/7919 Armour Twp. Parry Sound Dist.	Hg, PCB, Mirex, Pest.	Walleye	-	-	-	A	A	A	A	A	-	-
Trollope Lake 4835/7941 Frecheville Twp. Cochrane Dist.	Hg.	Lake Trout	-	-	A	A	A	B	B	C	-	-
Venetion Lake 4656/8115 Botha Twp. Sudbury Dist.	Hg. Hg.	Northern Pike Smallmouth Bass	-	-	-	-	-	-	A	B	-	-
			-	A	A	A	A	A	-	-	-	-
<u>Northwestern Region</u>												
Greenbush Lake 5056/9005 Thunder Bay Dist.	Hg. Hg.	Northern Pike Walleye	-	-	-	-	-	-	B	B	C	-
			-	-	-	-	A	B	C	-	-	-
Sandbar Lake 4928/9135 Gour Twp. Kenora Dist.	Hg, PCB, Mirex "	Walleye Northern Pike	-	-	-	-	A	A	B	-	-	-
			-	-	-	-	-	A	A	A	B	-
Thunder Lake 4947/9240 Zealand Twp. Kenora Dist.	Hg. Hg. Hg, PCB, Mirex, Pest.	Northern Pike Walleye Lake Trout	-	-	-	-	-	-	-	A	A	A
			-	-	-	-	-	-	A	-	-	-
			-	-	-	-	-	-	-	A	A	-
<u>Great Lakes</u>												
Lake Ontario #1 (Jordan Harbour) 4311/7922 Niagara R.M.	Hg, PCB, Mirex, Pest. " " " " "	Brown Bullhead Gizzard Shad Yellow Perch Brown Trout White Bass Channel Catfish	-	A	A	A	A	B	-	-	-	-
			-	-	-	-	A	A	-	-	-	-
			-	A	A	A	A	-	-	-	-	-
			-	-	-	-	-	-	X	X	X	-
			-	-	A	A	A	B	-	-	-	-
			-	-	-	A	A	A	X	X	-	-
Lake Ontario #1 (Hearn Generating Station) 4339/7920 Toronto	Hg, PCB, Mirex, Pest. " PCB, Mirex, Pest.	Carp White Bass Rainbow Smelt	-	-	-	-	-	-	-	-	X	X
			-	-	A	A	A	B	-	-	-	-
			-	A	-	-	-	-	-	-	-	-
Lake Huron #H5 (Point Edward to Blue Point) Lambton Co.	Hg. Hg, PCB, Mirex Hg, PCB, Mirex, Pest. "	Longnose Sucker Chinook Lake Trout Coho	-	-	A	A	A	A	A	-	-	-
			-	-	-	-	-	-	A	A	-	-
			-	-	-	-	-	-	A	X	X	-
			-	-	-	-	-	-	-	A	B	-
Lake Huron GB #4 (Penetang Harbour) 4447/7956 Tiny Twp. Simcoe Co.	Hg, PCB, Mirex, Pest.	Black Crappie	-	A	A	A	A	-	-	-	-	-

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			<15 <6	15-20 6-8	20-25 8-10	25-30 10-12	30-35 12-14	35-45 14-18	45-55 18-22	55-65 22-26	65-75 26-30	> 75 > 30
Lake Huron GB #4 (South Bay) 4452/7946 Muskoka D.M.	Hg, PCB, Mirex, Pest.	Black Crappie	-	A	A	A	-	-	-	-	-	-
Lake Superior #1 (southwest of Pie Island) 4810/8915 Thunder Bay Dist.	Hg, PCB, Mirex, Pest.	Lake Trout	-	-	-	-	-	-	A	A	-	-
Lake Superior #5 (Pic & White River areas) 4836/8618 Thunder Bay Dist.	Hg, PCB, Mirex, Pest.	Lake Trout	-	-	-	-	-	A	A	A	-	-
	"	Whitefish	-	-	-	-	-	A	A	-	-	-
	"	Cisco	-	-	-	A	A	-	-	-	-	-
Lake Superior #6 (Michipicoten Island) 4735/8550 Algoma Dist.	Hg, PCB, Mirex, Pest.	Lake Trout	-	-	-	-	-	A	A	A	B	-
Lake Superior #7 (Alona Bay) 4710/8442 Algoma Dist.	Hg, PCB, Mirex, Pest.	Siscowet	-	-	-	-	A	A	A	B	X	-
	"	Cisco	-	-	-	A	A	A	-	-	-	-
Lake Superior #7 (west of Mamainse Point) 4700/8500 Algoma Dist.	Hg, PCB, Mirex, Pest.	Lake Trout	-	-	-	-	-	B	-	-	-	-

ENVIRONMENT ONTARIO BULLETIN

April, 1981

ENVIRONMENTAL HEALTH BULLETIN

Ontario's Fish Contaminants Information Program

Environment Ontario issues bulletins on a routine basis to provide Ontario residents with up-to-date information on the results of fish collected and tested for contaminants such as mercury and PCB.

This bulletin contains information on fish collected from 49 watercourses and supplements the information on about 1036 lakes and rivers contained in the "Guide to Eating Ontario Sport Fish" booklets published in April, 1981 and subsequent Environmental Health Bulletins.

For each lake, the individual fish species tested are categorized according to size and contaminant concentration. Safe consumption limits can be determined by consulting the following "Fish Consumption Guidelines" table.

FISH CONSUMPTION GUIDELINES

(Expressed in meals per week or month with a meal consisting of an 8-ounce portion)

CATEGORY	LENGTH OF FISHING VACATION			
	ONE WEEK	TWO WEEKS	THREE WEEKS	LONG-TERM CONSUMERS *
A	← NO RESTRICTIONS →			
B	10 Meals/Week	5 Meals/Week	4 Meals/Week	1 Meal/Week
C	7 Meals/Week	4 Meals/Week	3 Meals/Week	3 Meals/Month
D	← NO CONSUMPTION →			
X	1 or 2 Meals/Week	1 or 2 Meals/Week	1 or 2 Meals/Week	1 or 2 Meals/Month

\- indicates that fish from these size ranges were not collected and consumption guidelines are not available.

* For the purpose of these guidelines, those people who fish on and off for part of the year exceeding three weeks are considered long-term consumers.

NOTE: WOMEN OF CHILDBEARING AGE AND CHILDREN UNDER 15 YEARS OF AGE SHOULD EAT ONLY FISH FROM THE "A" CATEGORY.

The recommended maximum consumption levels depend upon the period of time over which fish are consumed (1 week, 2 weeks, etc.) and the contaminant concentration in the fish. The categories A, B, C, and D in the above guideline represent levels of mercury from less than 0.5 parts per million (A) to over 1.5 parts per million (D). Fish categorized as "X" contain one or more organic contaminants (PCB, DDT or mirex) at concentrations exceeding federal, unrestricted consumption guidelines.

To determine the recommended level of consumption of a given fish:

1. Identify the species.

2. Measure the length of the fish from the tip of the tail to the tip of the nose.

3. Check the lake table for the appropriate lake.

4. Note the category letter for the particular fish you are checking.

5. Determine the consumption recommendations from the "Fish Consumption Guidelines" table above.

As well as the lake name and its geographical location, the table includes the species of fish collected and the contaminants sampled for (e.g. Hg-mercury) and the level of contaminant in fish of each size caught as represented by a category letter defined above.

Booklets entitled "Guide to Eating Ontario Sport Fish", outlining the facts about fish contamination and the resultant health implications are now available from local offices of the ministries of the Environment and Natural Resources and in northern Ontario, the Ministry of Northern Affairs. For information concerning specific waterbodies and fish species, these local offices should be contacted.

The Ontario Government is continuing to sample fish from many lakes throughout the Province. As further information on additional waterbodies becomes available, listings will be made available to the media and data can be obtained from the local offices of the ministries of the Environment and Natural Resources.

FOR FURTHER INFORMATION: A. Johnson (416) 965-6954
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J. Steele (416) 965-7117

(Version française disponible)

LAKE LOCATION CO-ORDINATES	CONTAMINANTS SAMPLED	SPECIES	SIZE RANGE IN CENTIMETRES (INCHES) < 15 <6	15-20 6-8	20-25 8-10	25-30 10-12	30-35 12-14	35-45 14-18	45-55 18-22	55-65 22-26	65-75 26-30	> 75 > 30
Southeastern Region												
Diamond Lake 4504/7802 Herschel Twp. Hastings Co.	Hg.	Lake Trout	-	-	-	-	-	A	A	A	B	B
Central Region												
Centre Lake 4501/7803 Cardiff Twp. Haliburton Co.	Hg. Hg. Hg.	Largemouth Bass Smallmouth Bass Lake Trout	- - -	- - -	- - -	A B -	B B A	B - A	- - B	- - B	- - C	- - -
Ganaraska River (Port Hope) 4357/7818 Hope Twp. Northumberland Co.	Hg, PCB, Mirex, Pest.	Rainbow Trout	-	-	-	-	X	X	X	X	X	X
McGarvey Lake 4526/7834 Lawrence Twp. Haliburton Co.	Hg.	Lake Trout	-	-	-	-	-	-	A	A	B	B
West Central Region												
Grand River (Kitchener) 4320/8030 Waterloo R.M.	Hg, PCB, Mirex, Pest.	Smallmouth Bass	-	-	-	A	A	B	-	-	-	-
Northeastern Region												
Allan Lake 4941/8245 Neely Twp. Cochrane Dist.	Hg. Hg.	Walleye Northern Pike	- -	- -	- -	- -	B -	B A	C B	C B	D B	- -
Bonner Lake 4923/8208 Fauquier Twp. Cochrane Dist.	Hg.	Northern Pike	-	-	-	-	-	A	B	B	-	-
Cooper Lake 4903/8259 Oscar Twp. Algoma Dist.	Hg.	Northern Pike	-	-	-	-	-	A	B	B	-	-
Eleanor Lake 4945/8232 Weichel Twp. Cochrane Dist.	Hg. Hg.	Northern Pike Walleye	- -	- -	- -	- -	A B	A C	B D	B -	C -	C -
Elk Lake 4743/8019 Smyth Twp. Timiskaming Dist.	Hg. Hg.	Walleye Northern Pike	- -	- -	A -	B -	B A	C A	D B	- B	- C	- -
Flatt Lake 4912/8304 Ecclestone Twp. Cochrane Dist.	Hg.	Northern Pike	-	-	-	-	A	A	A	A	B	-
Frederick House Lake (Barbers Bay) 4836/8055 German Twp. Cochrane Dist.	Hg. Hg.	Walleye Northern Pike	- -	- -	- -	A -	A -	B A	B A	- -	- -	- -
George Lake 4941/8015 Cochrane Dist.	Hg.	Walleye	-	-	-	A	A	B	C	-	-	-
Grass (Sweny) Lake 4541/7912 Proudfoot Twp. Parry Sound Dist.	Hg. PCB, Mirex, Pest.	Lake Trout	-	A	A	A	A	A	A	A	B	B
Hopper Lake 4959/7951 Cochrane Dist.	Hg. Hg. Hg. Hg.	Walleye White Sucker Whitefish Northern Pike	- - - -	- - - -	A - - -	B - - -	B - - -	B A A -	C A A A	- - - B	- - - C	- - - -
Island Lake 4833/8052 German Twp. Cochrane Dist.	Hg.	Smallmouth Bass	-	A	A	A	A	-	-	-	-	-
McIntosh Lake 4838/8052 German & Dundonald Twps. Cochrane Dist.	Hg.	Northern Pike	-	-	-	-	-	A	B	B	C	-
Ministik Lake 5010/8024 Cochrane Dist.	Hg.	Whitefish	-	-	-	-	A	A	-	-	-	-
Misema Lake 4813/7945 Arnold Twp. Timiskaming Dist.	Hg. Hg.	Northern Pike Walleye	- -	- -	- -	- A	- B	- B	B C	C -	- -	- -
Negwazu Lake 4828/8500 McGowan & Ashley Twps. Algoma Dist.	Hg.	Walleye	-	-	A	A	A	A	B	C	C	D

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North French River 5108/8043 Cochrane Dist.	Hg.	Northern Pike	-	-	-	-	A	A	B	B	C	D
Oscar Lake 4902/8253 Oscar Twp. Algoma Dist.	Hg. Hg	Walleye Northern Pike	-	-	-	-	C	D	-	-	-	-
			-	-	-	-	-	B	B	C	C	C
Penassi Lake 4745/8054 Van Hise & Rankin Twps. Timiskaming Dist.	Hg. Hg. Hg.	Walleye Smallmouth Bass Northern Pike	-	-	A	A	A	A	B	B	B	-
			-	-	A	A	A	B	B	-	-	-
			-	-	-	-	-	A	A	B	-	-
Powell Lake 4902/8259 Oscar Twp. Algoma Dist.	Hg.	Northern Pike	-	-	-	-	-	A	B	B	C	-
Raft Lake 4940/8258 McCowan Twp. Cochrane Dist.	Hg.	Northern Pike	-	-	-	-	-	A	A	A	-	-
Raven Lake 4803/7933 McFadden Twp. Timiskaming Dist.	Hg. Hg. Hg.	Smallmouth Bass Walleye Lake Trout	-	-	-	A	A	A	-	-	-	-
			-	-	A	A	A	A	B	B	-	-
			-	-	A	A	A	B	B	B	C	-
Redstone River 4827/8102 Cody Twp. Cochrane Dist.	Hg.	Walleye	-	A	A	B	C	D	-	-	-	-
Round Island Lake 4544/7812 Dixon & Preston Twps. Nipissing Dist.	Hg.	Lake Trout	-	-	-	-	-	A	B	C	-	-
Sisseney Lake 4752/8040 Yarrow Twp. Timiskaming Dist.	Hg. Hg.	Walleye Northern Pike	-	-	-	-	B	C	D	D	D	D
			-	-	-	-	A	A	B	B	C	D
Tocheri Lake 4903/8509 Chollette & Mathews Twps. Algoma Dist.	Hg.	Walleye	-	A	A	A	A	A	B	-	-	-
Watersnake Lake 4916/8201 Shackleton Twp. Cochrane Dist.	Hg. Hg.	Walleye Northern Pike	-	-	-	-	-	C	D	D	-	-
			-	-	-	-	B	B	C	C	D	-
Lake 19E-62 4947/8101 Cochrane Dist.	Hg.	Northern Pike	-	-	A	A	B	B	B	B	C	-
Lake 19E-72 4946/8102 Cochrane Dist.	Hg.	Walleye	-	-	A	B	B	C	-	-	-	-
<u>Northwestern Region</u>												
Heron Lake 4856/9240 Rainy River Dist.	Hg.	Northern Pike	-	-	-	-	-	B	B	C	C	-
Island Dam Lake 4916/8637 Thunder Bay Dist.	Hg.	Walleye	-	-	-	B	B	C	D	-	-	-
Jackfish Lake 4850/8657 Syine Twp. Thunder Bay Dist.	Hg, PCB, Mirex, Pest. "	Walleye Northern Pike	-	-	-	-	-	B	C	D	D	-
			-	-	-	-	-	-	A	B	B	-
Little Cedar Lake 4841/8550 Brothers Twp. Thunder Bay Dist.	Hg. Hg.	Walleye Northern Pike	-	-	-	A	A	B	B	-	-	-
			-	-	-	A	A	A	B	B	B	C
Little Turtle Lake 4847/9240 Rainy River Dist.	Hg. Hg. Hg, PCB, Mirex	Sauger Northern Pike Walleye	-	-	B	C	D	-	-	-	-	-
			-	-	-	-	A	B	C	-	-	-
			-	-	-	B	B	C	-	-	-	-
Rous Lake 4841/8601 Lecours Twp. Thunder Bay Dist.	Hg. Hg.	Northern Pike Walleye	-	-	-	A	A	A	B	B	C	D
			-	-	-	-	A	A	A	-	-	-
Sand Lake 5005/9439 Kenora Dist.	Hg. Hg. Hg. Hg. Hg. Hg. Hg. Hg.	Walleye Northern Pike Whitefish White Sucker Yellow Perch Ling Sauger Smallmouth Bass	-	A	A	A	A	B	B	C	D	-
			-	-	-	-	A	A	A	B	B	C
			-	A	A	A	A	A	A	A	-	-
			-	-	A	A	A	A	A	-	-	-
			A	A	A	B	B	-	-	-	-	-
			-	-	-	-	-	A	A	-	-	-
			-	-	B	C	D	-	-	-	-	-
			-	-	A	B	B	-	-	-	-	-
Tetu Lake 5011/9502 Kenora Dist.	Hg. Hg. Hg. Hg. Hg. Hg.	Walleye Northern Pike Sauger Cisco White Sucker Sturgeon	-	A	B	B	B	B	C	D	D	D
			-	-	-	-	B	D	D	D	D	D
			-	C	C	D	D	D	-	-	-	-
			A	A	A	A	A	C	-	-	-	-
			-	-	-	B	B	C	-	-	-	-
			-	-	-	-	-	-	-	-	-	D

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Unnamed Lake (#4) 4905/8639 Thunder Bay Dist.	Hg.	Walleye	-	-	-	B	C	D	D	-	-	-
Great Lakes												
(Lower) Niagara River (Queenston) 4310/7903 Niagara R.M.	PCB, Mirex, Pest. Hg, PCB Mirex, Pest. " "	Coho Yellow Perch American Eel White Sucker	- - - -	- A - -	- A - -	- A - A	- - - A	- - - A	- - A B	X - X -	X - X -	X - X -
(Upper) Niagara River (Miller Creek) 4258/7857 Niagara R.M.	Hg, PCB, Mirex, Pest. " "	Smallmouth Bass Yellow Perch White Sucker	- - -	- A -	A A A	A A A	A - A	A - A	- - B	- - -	- - -	- - -
Lake Ontario #1 (Jordan Harbour) 4311/7922 Niagara R. M.	Hg, PCB, Mirex, Pest. " " " "	Brown Bullhead Gizzard Shad Yellow Perch Brown Trout White Bass	- - - - -	A - A - -	A - A - A	A - A - A	A A A - A	B A - - B	- - - X -	- - - X -	- - - X -	- - - - -
Lake Ontario #4 (Glenora Fisheries Stn) 4402/7703 North Marysburg Twp. Prince Edward Co.	Hg, PCB, Mirex, Pest. " "	White Perch Yellow Perch Gizzard Shad	A A -	A A -	A - -	- - -	- - A	- - A	- - -	- - -	- - -	- - -
Lake Huron GB #4 (Nottawasaga Bay) 4435/8015 Nottawasaga Twp. Simcoe Co.	Hg, PCB, Mirex, Pest.	Splake	-	-	-	-	A	A	A	-	-	-
Lake Huron GB #4 (Sturgeon Bay) 4444/7944 Tay Twp. Simcoe Co.	Hg, PCB, Mirex, Pest. "	Black Crappie Smallmouth Bass	-	-	A	A A	A A	- B	- C	-	-	-
Lake Superior #2 (southern Black Bay) 4830/8835 Thunder Bay Dist.	Hg, PCB, Mirex, Pest.	Lake Trout	-	-	-	-	-	-	A	A	-	-

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(Expressed in meals per week or month with a meal consisting of an 8-ounce portion)

CATEGORY	LENGTH OF FISHING VACATION			
	ONE WEEK	TWO WEEKS	THREE WEEKS	LONG-TERM CONSUMERS *
A	← NO RESTRICTIONS →			
B	10 Meals/Week	5 Meals/Week	4 Meals/Week	1 Meal/Week
C	7 Meals/Week	4 Meals/Week	3 Meals/Week	3 Meals/Month
D	← NO CONSUMPTION →			
X	1 or 2 Meals/Week	1 or 2 Meals/Week	1 or 2 Meals/Week	1 or 2 Meals/Month

\- indicates that fish from these size ranges were not collected and consumption guidelines are not available.

* For the purpose of these guidelines, those people who fish on and off for part of the year exceeding three weeks are considered long-term consumers.

NOTE: WOMEN OF CHILDBEARING AGE AND CHILDREN UNDER 15 YEARS OF AGE SHOULD EAT ONLY FISH FROM THE "A" CATEGORY.

Ontario Ministry of the Environment

Hon. Harry C. Parrott, D.D.S., Minister

Graham W. S. Scott, Q.C., Deputy Minister

The recommended maximum consumption levels depend upon the period of time over which fish are consumed (1 week, 2 weeks, etc.) and the contaminant concentration in the fish. The categories A, B, C, and D in the above guideline represent levels of mercury from less than 0.5 parts per million (A) to over 1.5 parts per million (D). Fish categorized as "X" contain one or more organic contaminants (PCB, DDT or mirex) at concentrations exceeding federal, unrestricted consumption guidelines.

To determine the recommended level of consumption of a given fish:

1. Identify the species.

2. Measure the length of the fish from the tip of the tail to the tip of the nose.

3. Check the lake table for the appropriate lake.

4. Note the category letter for the particular fish you are checking.

5. Determine the consumption recommendations from the "Fish Consumption Guidelines" table above.

As well as the lake name and its geographical location, the table includes the species of fish collected and the contaminants sampled for (e.g. Hg-mercury) and the level of contaminant in fish of each size caught as represented by a category letter defined above.

Booklets entitled "Guide to Eating Ontario Sport Fish", outlining the facts about fish contamination and the resultant health implications are now available from local offices of the ministries of the Environment and Natural Resources and in northern Ontario, the Ministry of Northern Affairs. For information concerning specific waterbodies and fish species, these local offices should be contacted.

The Ontario Government is continuing to sample fish from many lakes throughout the Province. As further information on additional waterbodies becomes available, listings will be made available to the media and data can be obtained from the local offices of the ministries of the Environment and Natural Resources.

FOR FURTHER INFORMATION: A. Johnson (416) 965-6954
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(Version française disponible)

LAKE LOCATION CO-ORD. NATES	CONTAMINANTS SAMPLED	SPECIES	SIZE RANGE IN INCHES (CM) <6 <15	6-8 15-20	8-10 20-25	10-12 25-30	12-14 30-35	14-18 35-45	18-22 45-55	22-26 55-65	26-30> 30 65-75> 75	
Central Region												
Fletcher Lake 4521/7847 McClintock Twp. Haliburton Co.	Hg.	Lake Trout	-	A	A	A	A	A	A	A	B	-
West Central Region												
Big Creek	Hg.	Carp	-	-	-	-	-	A	A	A	-	-
4247/8030	Hg.	Speckled Trout	-	A	A	A	A	A	-	-	-	-
Haldimand-Norfolk R.M.	Hg.	Brown Bullhead	-	A	A	-	-	-	-	-	-	-
	Hg, PCB, Mirex	Rock Bass	A	A	A	-	-	-	-	-	-	-
	"	Yellow Perch	A	A	-	-	-	-	-	-	-	-
	"	White Sucker	A	A	A	A	-	-	-	-	-	-
Southwestern Region												
Lucknow River 4357/8131 Kinloss Twp. Bruce Co.	Hg, PCB, Mirex, Pest.	Speckled Trout	A	A	A	A	A	B	-	-	-	-
Great Lakes												
Lake Erie #1	Hg. PCB, Mirex, Pest.	White Bass	A	A	A	A	A	A	-	-	-	-
(Pelée Island)	"	Coho	-	-	-	-	-	A	A	A	A	-
4147/8240	Hg.	Walleye	-	-	-	-	A	A	A	-	-	-
Essex Co.	Hg, PCB, Mirex, Pest.	Carp	-	-	-	-	-	A	A	X	X	X
Lake Huron #H5	Hg.	Longnose Sucker	-	-	A	A	A	A	A	-	-	-
(Point Edward) to Blue Point	Hg, PCB, Mirex	Chinook	-	-	-	-	-	-	A	A	-	-
Lambton Co.												
Lake Superior #6	Hg, PCB, Mirex	Siscowet	-	-	-	-	-	-	B	C	C	-
(Otter Island)	Hg, PCB, Mirex, Pest.	Cisco	-	-	-	A	A	-	-	-	-	-
4807/8604												
Thunder Bay Dist.												
Lake Superior #6	Hg., PCB, Mirex	Lake Trout	-	-	-	A	A	B	B	B	-	-
(Dog Harbour)												
4757/8513												
Algoma Dist.												
Lake Superior #6	Hg.	Lake Trout	-	-	-	A	A	A	B	B	-	-
(Doré Bay)												
4757/8457												
Algoma Dist.												
Lake Superior #6	Hg, PCB, Mirex	Lake Trout	-	-	A	A	A	A	A	B	B	B
(off Cape Gargantua)	"	Cisco	-	-	-	A	A	A	-	-	-	-
4737/8522	PCB.	Siscowet	-	-	-	-	-	A	A	X	X	-
Algoma Dist.												
Lake Superior #6	Hg, PCB, Mirex	Lake Trout	-	-	-	-	A	A	X	X	D	-
(southeast of Michipicoten Island)												
4730/8530												
Algoma Dist.												
Lake Superior #7	Hg, PCB, Mirex	Siscowet	-	-	-	-	A	B	B	X	D	-
(west of Montreal Island)	"	Cisco	-	-	-	A	A	A	-	-	-	-
4705/8500												
Algoma Dist.												
Lake Superior #7	Hg, PCB, Mirex	Cisco	-	-	-	A	A	-	-	-	-	-
(Goulais Point)												
4641/8434												
Algoma Dist.												

ENVIRONMENT ONTARIO BULLETIN

August, 1980

ENVIRONMENTAL HEALTH BULLETIN

Ontario's Fish Contaminants Information Program

Environment Ontario issues bulletins on a routine basis to provide Ontario residents with up-to-date information on the results of fish collected and tested for contaminants such as mercury and PCB.

This bulletin contains information on fish collected from 55 water-courses and supplements the information on about 981 lakes and rivers contained in the "Guide to Eating Ontario Sport Fish" booklets published in April, 1980 and subsequent Environmental Health Bulletins.

For each lake, the individual fish species tested are categorized according to size and contaminant concentration. Safe consumption limits can be determined by consulting the following "Fish Consumption Guidelines" table.

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Southeastern Region												
Big Mink Lake 4518/7805 McClure Twp. Hastings Co.	Hg, PCB, Mirex	Smallmouth Bass	-	A	A	B	B	B	-	-	-	-
McCauley Lake 4533/7807 Airy & Murchison Twps. Nipissing Dist.	Hg, PCB, Mirex, Pest.	Lake Trout	-	-	-	-	B	C	D	D	D	D
Wollaston Lake 4451/7750 Wollaston Twp. Hastings Co.	Hg.	Largemouth Bass	-	-	-	B	B	C	-	-	-	-
	Hg, PCB, Mirex, Pest.	Smallmouth Bass	-	-	A	B	B	C	-	-	-	-
Central Region												
Belmont Lake 4431/7749 Belmont Twp. Peterborough Co.	Hg.	Walleye	-	-	-	B	C	C	C	D	-	-
	Hg.	Largemouth Bass	-	A	A	A	B	B	-	-	-	-
	Hg, PCB, Mirex, Pest.	Yellow Perch	A	A	B	B	-	-	-	-	-	-
Credit River 4335/7943 Toronto Twp. Peel R.M.	PCB, Mirex, Pest.	White Sucker	A	A	A	A	A	-	-	-	-	-
	"	Coho	-	-	-	-	A	X	X	X	X	X
	Hg, PCB, Mirex	Rainbow Trout	-	-	-	-	-	A	A	A	X	-
Katchewanooka Lake 4427/7816 Smith & Douro Twps. Peterborough Co.	Hg, PCB, Mirex, Pest.	Yellow Perch	-	A	A	-	-	-	-	-	-	-
	"	Smallmouth Bass	-	A	A	A	A	A	B	-	-	-
	Hg.	Walleye	-	A	A	A	A	A	B	B	-	-
Lower Fletcher Lake 4521/7850 McClintock Twp. Haliburton Co.	Hg, PCB, Mirex, Pest.	Lake Trout	-	A	A	A	A	A	B	B	-	-
Methuen Lake 4443/7755 Methuen Twp. Peterborough Co.	Hg, PCB, Mirex	Smallmouth Bass	-	-	A	A	A	B	C	D	-	-
	Hg.	Largemouth Bass	-	-	A	A	A	B	B	-	-	-
Silent Lake 4455/7804 Cardiff Twp. Haliburton Co.	Hg, PCB, Mirex, Pest.	Lake Trout	-	-	A	A	A	A	A	A	B	B
	Hg, PCB, Mirex	Smallmouth Bass	-	A	A	A	A	B	-	-	-	-
	Hg.	Largemouth Bass	-	-	A	A	A	B	-	-	-	-
Lake Simcoe 4425/7920 Simcoe Co., York & Durham R.M.'s	Hg.	Largemouth Bass	-	A	A	A	A	A	B	-	-	-
	Hg, PCB, Mirex, Pest.	Smallmouth Bass	-	A	A	A	A	B	B	-	-	-
	"	Yellow Perch	A	A	A	A	A	-	-	-	-	-
	"	Northern Pike	-	-	-	A	A	A	A	A	A	A
	"	Walleye	-	-	-	A	A	A	A	B	C	C
	"	Lake Trout	-	-	-	-	A	A	A	A	B	B
	Hg.	White Sucker	-	-	-	-	A	A	A	-	-	-
	Hg, PCB, Mirex, Pest.	Whitefish	-	-	-	A	A	A	A	-	-	-
	Hg.	Rock Bass	-	A	A	A	A	-	-	-	-	-
	Hg, PCB, Mirex, Pest.	Ling	-	-	-	-	-	-	-	A	B	B
Wood Lake 4501/7905 Oakley Twp. Muskoka D.M.	Hg, PCB, Mirex, Pest.	Smallmouth Bass	-	-	A	A	A	B	-	-	-	-
	Hg.	Walleye	-	-	-	-	A	A	B	C	D	-
West-Central Region												
Lake Gibson 4306/7914 Thorold Twp. Niagara R.M.	Hg, PCB, Mirex, Pest.	Redhorse Sucker	-	-	-	A	A	A	-	-	-	-
	"	Brown Bullhead	-	-	A	A	A	-	-	-	-	-
	Hg.	White Sucker	-	-	-	-	A	A	-	-	-	-
Southwestern Region												
Ausble River 4319/8146 Bosanquet Twp. Lambton Co.	Hg, PCB, Mirex, Pest	Northern Pike	-	-	-	A	A	A	A	A	B	B
	"	Rock Bass	A	A	A	B	B	-	-	-	-	-
	"	Carp	-	-	-	A	A	A	A	A	-	-
Bighead River 4427/8046 Holland Twp. Grey Co.	Hg, PCB, Mirex	Brown Trout	-	A	A	A	A	A	-	-	-	-
	"	Speckled Trout	A	A	A	-	-	-	-	-	-	-
Emmett Lake 4513/8128 St. Edmunds Twp. Bruce Co.	Hg.	Northern Pike	-	-	A	A	A	A	A	A	A	-
	Hg, PCB, Mirex	Smallmouth Bass	A	A	A	A	A	A	B	-	-	-
George Lake 4512/8128 St. Edmunds Twp. Bruce Co.	Hg, PCB, Mirex	Smallmouth Bass	-	-	A	A	A	A	B	-	-	-
	Hg.	Northern Pike	-	-	-	-	-	-	A	A	-	-
Gillies Lake 4512/8120 Lindsay Twp. Bruce Co.	Hg.	Cisco	-	A	A	A	A	-	-	-	-	-
	Hg.	Lake Trout	-	A	A	A	A	A	A	-	-	-

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Kettle Creek 4238/8113 Yarmouth Twp. Elgin Co.	Hg, PCB, Mirex, Pest.	Carp	-	-	-	-	A	A	-	-	-	-
Sheppard Lake 4434/8050 Sydenham Twp. Grey Co.	Hg.	Yellow Perch	-	A	A	-	-	-	-	-	-	-
Thames River 4219/8227 Tilbury E. Twp. Kent Co.	Hg.	Walleye	-	-	-	-	-	B	C	D	D	D
	Hg.	Freshwater Drum	-	-	A	A	B	-	-	-	-	-
	Hg, PCB, Mirex, Pest.	Channel Catfish	-	-	-	A	A	A	X	X	-	-
	"	White Bass	-	-	A	A	B	-	-	-	-	-
Northeastern Region												
Lac aux Sables 4647/8220 Monestime, Foucault, Lefebvre & Fontaine Twps. Algoma Dist.	Hg, PCB, Mirex	Lake Trout	-	-	-	-	-	A	A	B	B	-
Bear Lake 4612/8127 Roosevelt & Dieppe Twps. Sudbury Dist.	Hg, PCB, Mirex	Lake Trout	-	-	-	-	-	-	A	A	A	-
Bigwater Lake 4837/8118 Murphy Twp. Cochrane Dist.	Hg.	Northern Pike	-	-	-	-	A	A	A	B	-	-
Charlton Lake 4608/8140 Curtin Twp. Sudbury Dist.	Hg.	Northern Pike	-	-	-	-	-	A	A	B	B	C
	Hg.	Smallmouth Bass	-	-	A	A	A	A	-	-	-	-
	Hg.	Walleye	-	-	-	-	-	-	A	B	B	-
Cobre Lake 4638/8248 Sagard Twp. Algoma Dist.	Hg, PCB, Mirex, Pest.	Lake Trout	-	-	-	A	A	A	A	-	-	-
Cutler Lake 4611/8156 Harrow & McKinnon Twps. Manitoulin Dist.	Hg.	Walleye	-	-	-	-	A	A	-	-	-	-
Kagawong Lake 4549/8218 Billings, Campbell & Allan Twps. Manitoulin Dist.	Hg, PCB, Mirex, Pest.	Yellow Perch	-	-	A	A	-	-	-	-	-	-
	Hg.	Smallmouth Bass	-	-	A	A	B	C	-	-	-	-
Labitchie Lake 4659/8214 Durban Twp. Sudbury Dist.	Hg.	Northern Pike	-	-	-	-	A	A	B	B	-	-
Lillabelle Lake 4906/8102 Glackmeyer Twp. Cochrane Dist.	Hg, other metals	Northern Pike	-	-	-	A	A	A	A	A	A	-
	Hg, other metals PCB and Mirex	Yellow Perch	A	A	A	A	-	-	-	-	-	-
Madawanson Lake 4637/8211 Redden & Strain Twps. Algoma Dist.	Hg, PCB, Mirex	Lake Trout	-	-	-	A	A	A	A	A	-	-
Maple Lake 4610/8155 McKinnon Twp. Sudbury Dist.	Hg.	Smallmouth Bass	-	-	A	A	B	B	-	-	-	-
McConnell Lake 4644/7921 McAuslan Twp. Nipissing Dist.	Hg, PCB, Mirex	Lake Trout	-	-	-	-	A	A	A	A	-	-
Sand Lake 4539/7911 Proudfoot Twp. Parry Sound Dist.	Hg, PCB, Mirex	Lake Trout	-	-	-	-	B	C	D	D	D	-
Slipper Lake 4622/8241 Gunterman Twp. Algoma Dist.	Hg, PCB, Mirex, Pest.	Lake Trout	-	-	-	-	-	A	B	C	D	D
Splitrock Lake 4810/8127 Musgrove Twp. Timiskaming Dist.	Hg.	Northern Pike	-	-	-	-	-	-	-	A	B	-
Whitestone Lake 4539/7952 Hagerman & Croft Twps. Parry Sound Dist.	Hg, PCB, Mirex	Smallmouth Bass	A	A	A	B	B	B	-	-	-	-
	Hg.	Walleye	-	-	-	A	B	B	C	-	-	-

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Northwestern Region												
Kam River (Hwy. 61) 4821/8919 Neebing Twp. Thunder Bay Dist.	Hg, PCB, Mirex	Walleye	-	-	-	-	A	B	C	-	-	-
	Hg.	White Sucker	-	-	-	-	A	A	-	-	-	-
Ogoki Lake 5050/8710 Thunder Bay Dist.	Hg.	Northern Pike	-	-	-	-	-	A	B	B	C	D
	Hg.	Walleye	-	-	-	A	A	B	B	B	-	-
	Hg.	White Sucker	-	-	-	-	-	A	A	-	-	-
Great Lakes												
Lake Ontario #1 (Port Dalhousie) 4312/7916 Niagara R.M.	Hg, PCB, Mirex, Pest.	Coho	-	-	-	A	A	A	X	-	-	-
	"	Rainbow Smelt	-	A	-	-	-	-	-	-	-	-
	"	Brown Trout	-	-	-	-	-	-	X	-	-	-
Lake Ontario #1 (Jordan Harbour) 4311/7922 Niagara R.M.	Hg, PCB, Mirex, Pest.	Brown Bullhead	-	A	A	A	A	B	-	-	-	-
	"	Gizzard shad	-	-	-	-	A	A	-	-	-	-
	"	Yellow Perch	-	A	A	A	A	-	-	-	-	-
Lake Erie #1 (Western Basin)	Hg, PCB, Mirex, Pest.	Rainbow Smelt	A	A	A	-	-	-	-	-	-	-
	"	Rainbow Trout	-	-	A	A	A	A	A	A	X	-
	"	Smallmouth Bass	-	-	A	A	A	X	-	-	-	-
	"	Walleye	-	-	-	-	A	A	A	B	-	-
	"	Coho	-	-	A	A	A	A	A	-	-	-
	"	White Bass	-	-	A	A	A	C	-	-	-	-
	Hg, PCB, Mirex	Channel Catfish	-	-	A	A	A	X	-	-	-	-
Lake Erie #1 (Kingsville) 4202/8245 Essex Co.	Hg, PCB, Mirex	Yellow Perch	-	A	A	A	A	-	-	-	-	-
Lake Erie #2 (Wheatley) 4206/8227 Kent Co.	Hg, PCB, Mirex	Yellow Perch	A	A	A	A	B	-	-	-	-	-
	Hg, PCB, Mirex, Pest.	Rainbow Smelt	A	A	A	-	-	-	-	-	-	-
	Hg.	Carp	-	-	-	-	-	A	A	A	A	-
Lake Erie #3 (Central Basin)	Hg, PCB, Mirex, Pest.	Channel Catfish	-	-	-	-	X	X	-	-	-	-
	Hg, PCB, Mirex	White Bass	-	A	A	A	A	-	-	-	-	-
	"	Coho	-	-	A	A	A	A	A	A	-	-
Lake Erie #4 (Young, Normandale & Fisher Creeks) Haldimand-Norflok R.M.	Hg, PCB, Mirex, Pest.	Pink Salmon	-	-	-	-	-	A	A	-	-	-
Lake Erie #4 (Long Point Bay) Haldimand-Norfolk R.M.	Hg, PCB, Mirex, Pest.	Rock Bass	A	A	A	-	-	-	-	-	-	-
	"	Largemouth Bass	-	A	A	A	A	A	-	-	-	-
	"	Yellow Perch	A	A	A	A	A	-	-	-	-	-
	"	Brown Bullhead	-	-	A	A	A	A	-	-	-	-
	"	Channel Catfish	-	-	-	-	A	A	A	A	B	-
	"	Smallmouth Bass	-	-	A	A	A	A	-	-	-	-
	"	Coho	-	-	-	-	-	-	A	A	A	A
	Hg.	Northern Pike	-	-	-	-	-	A	A	A	A	-
Lake Erie #4 (Port Dover area) 4238/8020 Haldimand-Norfolk R.M.	Hg, PCB, Mirex, Pest.	Yellow Perch	-	A	A	A	A	-	-	-	-	-
	"	Rainbow Smelt	A	A	A	-	-	-	-	-	-	-
	"	White Bass	-	-	A	A	-	-	-	-	-	-
	"	Carp	-	-	-	-	A	A	A	A	A	A
Lake St. Clair 4228/8240 Essex & Kent Cos.	Hg, PCB, Mirex, Pest.	Walleye	-	-	-	-	A	B	C	D	D	-
	"	White Bass	-	-	-	A	B	D	-	-	-	-
	"	Channel Catfish	-	A	A	A	A	A	B	B	C	-
	"	Smallmouth Bass	-	-	A	B	B	C	D	-	-	-
	"	Yellow Perch	-	A	A	B	C	-	-	-	-	-
	"	Carp	-	-	-	A	A	A	B	X	X	X
	Hg.	Rock Bass	A	B	C	D	-	-	-	-	-	-
	Hg.	Northern Pike	-	-	-	-	-	A	B	C	C	D
	Hg.	White Sucker	-	-	A	A	A	A	C	C	D	-
	Hg.	Black Crappie	-	A	B	B	C	-	-	-	-	-
	Hg.	Largemouth Bass	-	B	C	D	D	D	D	-	-	-
	Hg.	Bluegill	-	-	B	-	-	-	-	-	-	-
	Hg.	Pumpkinseed	A	B	C	-	-	-	-	-	-	-
	Hg.	Freshwater Drum	-	-	A	A	B	B	B	C	-	-
	Hg.	Quillback Carpsucker	-	A	A	A	A	A	B	C	-	-
	Hg.	Redhorse Sucker	-	A	A	A	A	A	B	C	-	-
	Hg, PCB, Mirex, Pest.	Brown Bullhead	-	-	-	B	B	-	-	-	-	-

			SIZE RANGE IN INCHES (CM) 26-30 65-75	30-35 75-90	35-40 90-100	40-45 100-115	45-60 115-150
	Hg, PCB, Mirex, Pest.	Muskie	B	C	D	D	D
	"	Sturgeon	-	-	A	B	D

LAKE LOCATION CO-ORDINATES	CONTAMINANTS SAMPLED	SPECIES	SIZE RANGE IN INCHES (CM)									
			< 6 <15	6-8 15-20	8-10 20-25	10-12 25-30	12-14 30-35	14-18 35-45	18-22 45-55	22-26 55-65	26-30 65-75	>30 >75
Lake Huron #H1 (Duck Islands) 4541/8247 Manitoulin Dist.	Hg, PCB, Mirex	Bloater	-	A	A	A	A	A	-	-	-	-
Lake Huron #H4 (northwest of Grand Bend) 4327/8156 Huron Co.	Hg, PCB, Mirex	Bloater	-	-	A	A	A	-	-	-	-	-
Lake Huron GB#1 (Rattlesnake Harbour, Fitzwilliam Island) 4532/8143 Manitoulin Dist.	Hg, PCB, Mirex, Pest.	Longnose Sucker	-	-	-	-	-	A	-	-	-	-
Lake Huron GB#4 (Mary Ward Shoals) 4434/8019 Simcoe Co.	Hg.	Yellow Perch	-	A	A	A	A	B	-	-	-	-
	Hg.	White Sucker	-	-	-	A	A	A	-	-	-	-
Lake Superior #1 (Current River) 4827/8911 Thunder Bay Dist.	Hg, PCB, Mirex, Pest.	Northern Pike	-	-	-	-	-	A	A	A	B	B
	"	Walleye	-	-	A	A	A	A	B	C	-	-
Lake Superior #1 (Kam River mouth) 4824/8913 Thunder Bay Dist.	Hg, PCB, Mirex	White Sucker	-	-	A	A	A	A	B	-	-	-
	Hg, PCB, Mirex, Pest.	Walleye	-	-	A	A	A	A	B	-	-	-
	"	Northern Pike	-	-	-	-	-	A	A	B	B	C
Lake Superior #1 (Mission River mouth) 4821/8913 Thunder Bay Dist.	Hg, PCB, Mirex	White Sucker	-	-	A	A	A	A	-	-	-	-
	Hg, PCB, Mirex, Pest.	Walleye	-	-	-	-	A	A	B	-	-	-
	"	Northern Pike	-	-	-	A	A	A	A	-	-	-

ENVIRONMENT ONTARIO BULLETIN

June, 1980

ENVIRONMENTAL HEALTH BULLETIN

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For each lake, the individual fish species tested are categorized according to size and contaminant concentration. Safe consumption limits can be determined by consulting the following "Fish Consumption Guidelines" table.

FISH CONSUMPTION GUIDELINES

(Expressed in meals per week or month with a meal consisting of an 8-ounce portion)

CATEGORY	LENGTH OF FISHING VACATION			
	ONE WEEK	TWO WEEKS	THREE WEEKS	LONG-TERM CONSUMERS *
A	← NO RESTRICTIONS →			
B	10 Meals/Week	5 Meals/Week	4 Meals/Week	1 Meal/Week
C	7 Meals/Week	4 Meals/Week	3 Meals/Week	3 Meals/Month
D	← NO CONSUMPTION →			
X	1 or 2 Meals/Week	1 or 2 Meals/Week	1 or 2 Meals/Week	1 or 2 Meals/Month

\- indicates that fish from these size ranges were not collected and consumption guidelines are not available.

* For the purpose of these guidelines, those people who fish on and off for part of the year exceeding three weeks are considered long-term consumers.

NOTE: WOMEN OF CHILDBEARING AGE AND CHILDREN UNDER 15 YEARS OF AGE SHOULD EAT ONLY FISH FROM THE "A" CATEGORY.

Ontario Ministry of the Environment

Hon. Harry C. Parrott, D.D.S., Minister

Graham W. S. Scott, Q.C., Deputy Minister

The recommended maximum consumption levels depend upon the period of time over which fish are consumed (1 week, 2 weeks, etc.) and the contaminant concentration in the fish. The categories A, B, C, and D in the above guideline represent levels of mercury from less than 0.5 parts per million (A) to over 1.5 parts per million (D). Fish categorized as "X" contain one or more organic contaminants (PCB, DDT or mirex) at concentrations exceeding federal, unrestricted consumption guidelines.

To determine the recommended level of consumption of a given fish:

1. Identify the species.
2. Measure the length of the fish from the tip of the tail to the tip of the nose.
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As well as the lake name and its geographical location, the table includes the species of fish collected and the contaminants sampled for (e.g. Hg-mercury) and the level of contaminant in fish of each size caught as represented by a category letter defined above.

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Southeastern Region												
Burns Lake 4519/7705 Griffith Twp. Renfrew Co.	Hg.	Lake Trout	-	-	A	A	A	A	-	-	-	-
Cross (Lyell) Lake 4524/7757 Lyell Twp. Nipissing Dist.	Hg.	Smallmouth Bass	-	-	A	A	-	-	-	-	-	-
Galeairy Lake 4530/7817 Airy Twp. Nipissing Dist.	Hg, PCB, Mirex.	Smallmouth Bass	-	-	A	A	-	-	-	-	-	-
Golden Lake	Hg.	Largemouth Bass	-	-	-	-	A	B	-	-	-	-
4534/7721	Hg.	Smallmouth Bass	-	-	-	-	A	C	-	-	-	-
N. & S. Algona Twps.	Hg.	White Sucker	-	-	-	-	-	A	A	B	-	-
Renfrew Co.	Hg.	Walleye	-	-	-	-	-	B	C	D	-	-
Hurds Lake	Hg.	Walleye	-	-	-	-	-	B	B	-	-	-
4524/7640	Hg, PCB, Mirex.	Largemouth Bass	-	-	-	A	A	A	-	-	-	-
Renfrew Co.	Hg.	Northern Pike	-	-	-	-	-	A	B	B	-	-
Kashwakamak Lake	Hg, PCB,											
4452/7701	Mirex, Pest.	Walleye	-	-	A	A	A	A	B	C	-	-
Clarendon & Barrie Twps.	Hg.	Smallmouth Bass	-	A	A	A	A	A	-	-	-	-
Frontenac Co.												
Madawaska Lake	Hg.	Walleye	-	-	-	-	-	D	D	-	-	-
4528/7621	Hg.	Northern Pike	-	-	-	-	-	-	B	C	C	D
McNab Twp. Renfrew Co.												
McKenzie Lake 4522/7801 Sabine Twp. Nipissing Dist.	Hg.	Smallmouth Bass	-	-	A	A	B	-	-	-	-	-
Mississagagon Lake	Hg, PCB,											
4452/7705	Mirex, Pest.	Smallmouth Bass	-	-	-	A	A	A	-	-	-	-
Barrie Twp.	"	Yellow Perch	-	A	A	A	-	-	-	-	-	-
Frontenac Co.	Hg.	Largemouth Bass	-	-	-	A	A	B	-	-	-	-
	Hg.	Northern Pike	-	-	A	A	A	A	A	A	-	-
Sharbot Lake (east)	Hg, PCB, Mirex.	Smallmouth Bass	-	-	A	A	B	B	-	-	-	-
4446/7641	"	Yellow Perch	A	A	A	-	-	-	-	-	-	-
Olden & Oso Twps. Frontenac Co.												
Sharbot Lake (west)	Hg, PCB, Mirex	Lake Trout	-	-	-	-	A	A	B	B	C	C
4446/7641 Olden & Oso Twps. Frontenac Co.												
Central Region												
Blue Chalk Lake 4512/7856 Ridout Twp. Muskoka D.M.	Hg, PCB, Mirex, Pest.	Lake Trout	-	-	A	A	A	A	A	A	A	-
Drag Lake	Hg.	Smallmouth Bass	A	A	A	A	A	-	-	-	-	-
4505/7824	Hg, PCB, Mirex.	Lake Trout	-	-	A	A	A	A	A	B	B	-
Dudley & Dysart Twps.	Hg.	Cisco	-	-	-	A	A	B	-	-	-	-
Haliburton Co.												
Four Mile Lake	Hg, PCB, Mirex.	Walleye	-	-	-	A	A	A	B	B	C	-
4441/7845	"	Smallmouth Bass	-	A	A	A	A	A	B	-	-	-
Somerville Twp. Victoria Co.												
Gibson Lake 4458/7945 Gibson Twp. Muskoka D.M.	Hg.	Walleye	-	-	-	A	B	C	D	D	D	-

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Central Region (con't)												
Gull Lake	Hg, PCB, Mirex.	Lake Trout	-	A	A	A	A	A	-	-	-	-
4451/7847	Hg.	Largemouth Bass	A	A	A	A	A	A	B	-	-	-
Lutterworth Twp.	Hg.	Smallmouth Bass	-	A	A	A	A	B	C	-	-	-
Haliburton Co.												
Haliburton Lake	Hg.	Whitefish	-	-	-	A	A	A	-	-	-	-
4512/7824	Hg, PCB,											
Harburn Twp.	Mirex, Pest.	Lake Trout	-	-	-	-	-	B	B	C	D	-
Haliburton Co.												
Head Lake	Hg.	Muskie	-	-	-	-	-	-	-	-	B	B
4503/7831												
Dysart Twp.												
Haliburton Co.												
Heeney Lake	Hg.	Smallmouth Bass	A	A	A	B	B	B	-	-	-	-
4508/7906												
McLean Twp.												
Muskoka D.M.												
Kennisis Lake	Hg, PCB, Mirex.	Lake Trout	-	-	A	A	A	A	A	A	B	-
4513/7838												
Havelock & Guilford Twps.												
Haliburton Co.												
Little Hawk Lake	Hg, PCB,											
4509/7843	Mirex, Pest.	Lake Trout	-	-	-	A	A	A	A	A	B	-
Stanhope Twp.	Hg.	Smallmouth Bass	A	A	A	A	A	B	-	-	-	-
Haliburton Co.												
McFadden Lake	Hg.	Lake Trout	-	-	A	A	A	A	A	A	-	-
4520/7851												
McClintock Twp.												
Haliburton Co.												
Red Chalk Lake	Hg, PCB,											
4511/7857	Mirex, Pest.	Lake Trout	-	-	A	A	A	A	A	A	A	-
Ridout Twp.												
Muskoka D.M.												
Red Pine Lake	Hg.	Smallmouth Bass	A	A	A	A	A	B	-	-	-	-
4512/7842	Hg, PCB,											
Sherborne Twp.	Mirex, Pest.	Lake Trout	-	-	-	A	A	A	A	A	-	-
Haliburton Co.												
White Lake	Hg, PCB, Mirex.	Smallmouth Bass	A	A	A	A	A	A	A	-	-	-
4450/7829	Hg.	Muskie	-	-	-	-	-	-	-	-	A	A
Galway Twp.												
Peterborough Co.												
Southwestern Region												
George Lake	Hg, PCB, Mirex.	Smallmouth Bass	-	-	A	A	A	A	-	-	-	-
4512/8128												
St. Edmunds Twp.												
Bruce Co.												
Pittock Reservoir	Hg.	Yellow Perch	A	A	A	-	-	-	-	-	-	-
E. Oxford Twp.												
Oxford Co.												
Northeastern Region												
Anjigami Lake	Hg, PCB, Mirex.	Walleye	-	A	A	B	B	C	D	D	-	-
4750/8436	"	Northern Pike	-	-	-	-	-	-	B	B	-	-
Restoule, Redsky & Nebonainquet Twps.												
Algoma Dist.												
Banks Lake	Hg.	Northern Pike	-	-	-	-	A	A	A	B	B	C
4947/8359	Hg.	Walleye	-	-	-	-	-	B	B	-	-	-
Stoddart Twp.												
Cochrane Dist.												

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Northeastern Region (cont'd)												
Bright Lake 4616/8318 Day, Gladstone & Bright Twps. Algoma Dist.	Hg. Hg.	Walleye Northern Pike	-	A	A	A	A	A	A	A	-	-
			-	-	-	-	A	A	A	A	-	-
Cache Lake 4532/7835 Canisbay Twp. Nipissing Dist.	Hg. Hg, PCB, Mirex.	Smallmouth Bass Lake Trout	-	-	A	A	B	B	-	-	-	-
			-	-	-	-	A	A	A	A	A	B
Canisbay Lake 4534/7835 Canisbay Twp. Nipissing Dist.	Hg, PCB, Mirex.	Lake Trout	-	-	-	-	-	A	B	C	D	-
Claire Lake 4937/8437 Arnott Twp. Algoma Dist.	Hg.	Speckled Trout	-	-	A	A	-	-	-	-	-	-
Constance Lake 4948/8409 Studholme Twp. Cochrane Dist.	Hg, PCB, Mirex, Pest.	Northern Pike	-	-	-	-	A	A	A	A	A	A
Government Lake 4912/8453 Lessard Twp. Algoma Dist.	Hg.	Northern Pike	-	-	-	-	-	-	A	B	B	C
Grass (Sweny) Lake 4541/7912 Proudfoot Twp. Parry Sound Dist.	Hg, PCB, Mirex, Pest.	Lake Trout	-	A	A	A	A	A	A	A	-	-
Indian Lake 4707/8208 McPhail & Earl Twps. Sudbury Dist.	Hg.	Northern Pike	-	-	-	-	-	-	B	B	B	-
Kapuskasing Lake 4830/8257 Kapuskasing Twp. Algoma Dist.	Hg. Hg.	Walleye Northern Pike	-	-	-	B	B	B	B	-	-	-
			-	-	-	-	-	B	B	B	B	B
Kindogan Lake 4731/8318 Kalen Twp. Sudbury Dist.	Hg.	Northern Pike	-	-	-	-	A	A	A	A	B	B
Little Missinaibi Lake 4813/8338 Clifton, Abbey & Chaplin Twps. Sudbury Dist.	Hg. Hg.	Walleye Northern Pike	-	-	-	-	A	B	B	B	-	-
			-	-	-	-	-	A	A	B	B	-
Louise Lake 4949/8411 Studholme Twp. Cochrane Dist.	Hg.	Northern Pike	-	-	-	-	-	A	B	B	-	-
Lower Hay Lake 4524/7812 Sabine Twp. Nipissing Dist.	Hg.	Smallmouth Bass	-	A	A	B	B	-	-	-	-	-
Lake Nosbonsing 4612/7913 East Ferris & Bonfield Twps. Nipissing Dist.	Hg.	Walleye	-	-	A	A	A	A	A	-	-	-

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Northeastern Region (cont'd)												
Oliphant (Long) Lake 4542/7911 Proudfoot Twp. Parry Sound Dist.	Hg, PCB, Mirex, Pest.	Lake Trout	-	-	-	-	A	A	A	A	B	B
Opeepeesway Lake 4737/8215 Osway & Huffman Twps. Sudbury Dist.	Hg.	Northern Pike	-	-	-	-	A	A	B	B	B	C
Penassi Lake 4745/8054 Van Hise & Rankin Twps. Timiskaming Dist.	Hg. Hg.	Walleye Smallmouth Bass	- -	- -	A A	A A	A A	A B	B B	B -	B -	- -
Pichogen Lake 4854/8400 Marjorie Twp. Algoma Dist.	Hg.	Northern Pike	-	-	-	-	-	A	B	D	D	-
Pickerel Lake 4541/7918 Armour & Proudfoot Twps. Parry Sound Dist.	Hg, PCB, Mirex, Pest.	Walleye	-	A	A	B	B	C	D	D	-	-
Ramsey Lake 4629/8057 McKim & Neelon Twps. Sudbury Dist.	Hg. Hg. Hg, PCB, Mirex.	Northern Pike Walleye Yellow Perch	- - A	- - A	- - A	- - -	A A -	A A -	A A -	A - -	A - -	- - -
Redpine Lake 4938/8432 Arnott Twp. Algoma Dist.	Hg, PCB, Mirex, Pest.	Lake Trout	-	-	-	-	-	-	A	A	A	-
Ritchie Lake 4953/8331 Ritchie Twp. Cochrane Dist.	Hg. Hg.	Walleye Northern Pike	- -	A -	A -	A -	A -	B A	B B	- B	- -	- -
Shannon Lake 4948/8324 Shannon Twp. Cochrane Dist.	Hg. Hg.	Walleye Northern Pike	- -	A -	A -	A -	A A	B A	B B	- B	- -	- -
Sisseney Lake 4752/8040 Yarrow Twp. Timiskaming Dist.	Hg. Hg.	Walleye Northern Pike	- -	- -	- -	- -	B -	C -	D B	D C	D -	D -
Stoddart Lake 4948/8458 Stoddart Twp. Cochrane Dist.	Hg. Hg.	Walleye Northern Pike	- -	- -	- -	- -	A A	A A	B A	- B	- -	- -
Wakami Lake 4729/8251 Kelsey & Symington Twps. Sudbury Dist.	Hg. Hg. Hg.	Whitefish Walleye Northern Pike	- - -	- - -	- - A	- A A	A A A	A A A	- A A	- - -	- - -	- - -
Windermere Lake 4758/8347 Druilettes, Bliss & Gilliland Twps. Sudbury Dist.	Hg. Hg. Hg.	Walleye Northern Pike Smallmouth Bass	- - -	- - -	A - -	A - A	A - A	B A B	B B -	B B -	B B -	- C -
Northwestern Region												
Calm Lake 4846/9204 Tanner Twp. Rainy River Dist.	Hg.	Walleye	-	-	A	A	A	B	B	C	C	D

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Northwestern Region (cont'd)												
Clearwater West Lake 4900/9157 Rainy River Dist.	Hg.	Lake Trout	-	-	-	-	-	-	A	A	B	B
Cosgrave Lake 4914/8756 Thunder Bay Dist.	Hg.	Lake Trout	-	-	-	-	-	A	B	-	-	-
Deer Lake 5238/9425 Kenora Dist.	Hg. Hg.	Northern Pike Walleye	- -	- A	- A	- A	A A	A B	B B	C -	D -	D -
Fire Hill Lake 4901/8808 Corrigal Twp. Thunder Bay Dist.	Hg.	Northern Pike	-	-	-	-	-	A	B	B	C	D
Onaman Lake 5000/8726 Thunder Bay Dist.	Hg.	Walleye	-	-	-	A	A	B	C	-	-	-
Parks Lake 4927/8738 Thunder Bay Dist.	Hg.	Northern Pike	-	-	-	-	-	A	A	B	B	-
Pipe Lake 4838/9215 Rainy River Dist.	Hg. Hg.	Walleye Northern Pike	- -	- -	- -	B -	B -	B B	C B	C C	- D	- D
Wenasaga Lake 5044/9310 Kenora Dist.	Hg. Hg.	Walleye Northern Pike	- -	- -	- -	A -	A -	A A	B A	B B	- B	- C
Whalen Lake 4840/9219 Rainy River Dist.	Hg. Hg.	Northern Pike Walleye	- -	- -	- -	- A	- A	B B	B B	C B	C -	- -
White Otter Lake 4907/9152 Kenora Dist.	Hg.	Walleye	-	-	-	A	A	A	A	B	C	-
Great Lakes												
Lake Huron GB#4 (Indian Brook) 4433/8025 Collingwood Twp. Grey Co.	Hg, PCB, Mirex.	Rainbow Trout	-	-	-	A	A	A	A	A	A	-

ENVIRONMENT ONTARIO BULLETIN

March, 1980

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Ministry of the Environment
Hon. Harry C. Parrott, D.D.S., Minister
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1. Identify the species.

2. Measure the length of the fish from the tip of the tail to the tip of the nose.

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(Version français disponible)

LAKE LOCATION CO-ORDINATES	CONTAMINANTS SAMPLED	SPECIES	SIZE RANGE IN INCHES (CM) < 6 <15	6-8 15-20	8-10 20-25	10-12 25-30	12-14 30-35	14-18 35-45	18-22 45-55	22-26 55-65	26-30 65-75	>30 >75
Southeastern Region												
Lake Clear 4526/7712 Sebastopol Twp. Renfrew Co.	Hg, PCB, Mirex, Pest.	Northern Pike	-	-	-	-	-	-	A	X	X	-
Steenburg Lake 4450/7741 Tudor & Limerick Twps. Hastings Co.	Hg. Hg.	Smallmouth Bass Largemouth Bass	- -	A -	A -	A A	B A	C B	D D	- -	- -	- -
Central Region												
Dickie Lake 4509/7905 McLean Twp. Muskoka D.M.	Hg, PCB, Mirex, Pest.	Smallmouth Bass	-	-	A	B	B	D	-	-	-	-
Harp Lake 4523/7907 Chaffey Twp. Muskoka D.M.	Hg, PCB, Mirex, Pest.	Lake Trout	-	-	A	A	B	B	C	D	D	D
Oxtongue Lake 4522/7855 McClintock Twp. Haliburton Co.	Hg, PCB, Mirex, Pest. Hg.	Lake Trout Smallmouth Bass	- -	A A	A A	A B	A B	B D	B D	C -	D -	D -
Pine Lake 4504/7904 Oakley Twp. Muskoka D.M.	Hg. Hg.	Rainbow Trout Lake Trout	- -	- A	- A	- A	- A	A A	- A	- B	- B	- -
Lake Rosseau 4510/7935 Cardwell Twp. Muskoka D.M.	Hg, PCB, Mirex, Pest. " "	Smallmouth Bass Lake Trout Rainbow Smelt	- - A	- - -	A - -	A - -	B B -	C B -	D B -	- C -	- C -	- D -
Sturgeon Lake 4428/7843 Fenelon Twp. Victoria Co.	Hg. Hg. Hg, PCB, Mirex, Pest.	Smallmouth Bass Walleye Yellow Perch	- - A	A - A	A A A	A A -	A A -	A A -	A A -	- B -	- - -	- - -
Southwestern Region												
Isaac Lake 4447/8114 Albermarle Twp. Bruce Co.	Hg, PCB, Mirex. Hg.	Yellow Perch Northern Pike	A -	A -	A -	A -	- A	- A	- A	- A	- A	- B
Saugeen River 4429/8119 Arran Twp. Bruce Co.	Hg, PCB, Mirex.	Smallmouth Bass	-	A	A	B	B	B	-	-	-	-
Northeastern Region												
Ahmic Lake 4537/7942 Croft Twp. Parry Sound Dist.	Hg, PCB, Mirex, Pest. Hg.	Walleye Smallmouth Bass	- -	- A	- A	B B	B B	B C	C C	D -	D -	D -
Anima Nipissing Lake 4714/7957 Brigstocke Twp. Timiskaming Dist.	Hg.	Walleye	-	-	-	A	A	A	A	B	B	-
Duchabani Lake 4724/8133 Garvey & Hennessy Twps. Sudbury Dist.	Hg.	Northern Pike	-	-	-	-	-	A	B	C	-	-
Echo Lake 4634/8359 Kehoe Twp. Algoma Dist.	Hg. Hg.	Walleye Northern Pike	- -	-	A -	A A	A A	B A	B A	B B	- B	- B
Goudreau Lake 4817/8426 Finan Twp. Algoma Dist.	Hg, Zn, Cu.	Northern Pike	-	-	-	-	-	A	A	A	-	-
Hazen Lake 4753/8137 Hazen Twp. Sudbury Dist.	Hg. Hg.	Northern Pike Walleye	- -	- -	- A	- A	A B	A B	B C	B D	B -	- -
Jean Lake 4723/8108 Browning Twp. Sudbury Dist.	Hg.	Northern Pike	-	-	-	-	-	B	B	C	D	-
Karchuk Lake 4724/8108 Browning Twp. Sudbury Dist.	Hg.	Northern Pike	-	-	-	-	A	A	A	B	B	-

LAKE LOCATION CO-ORDINATES	CONTAMINANTS SAMPLED	SPECIES	SIZE RANGE IN INCHES (CM) < 6 <15	6-8 15-20	8-10 20-25	10-12 25-30	12-14 30-35	14-18 35-45	18-22 45-55	22-26 55-65	26-30 65-75	> 30 > 75
Kasakanta Lake	Hg.	Walleye	-	-	A	B	B	D	D	-	-	-
4727/8109	Hg.	Northern Pike	-	-	-	A	B	B	C	D	D	D
Ogilvie Twp.												
Sudbury Dist.												
Kesagami River	Hg.	Walleye	-	-	-	-	A	B	C	D	-	-
(Cook's Pond)												
4957/8018												
Cochrane Dist.												
Knight Lake	Hg.	Walleye	-	-	-	A	A	B	-	-	-	-
5010/8017	Hg.	Northern Pike	-	-	-	-	-	A	B	C	-	-
Cochrane Dist.												
Low Water Lake	Hg.	Northern Pike	-	-	-	-	-	B	B	C	D	-
4711/8142												
Baynes Twp.												
Sudbury Dist.												
Marquette Lake	Hg.	Northern Pike	-	-	-	B	B	B	B	-	-	-
4712/8144												
Marquette Twp.												
Sudbury Dist.												
Michiwakenda Lake	Hg.	Walleye	-	-	A	A	A	B	B	B	-	-
4738/8113	Hg.	Northern Pike	-	-	-	-	-	A	B	B	-	-
Churchill Twp.												
Sudbury Dist.												
Missisicabi River	Hg.	Walleye	-	-	-	-	A	B	B	B	C	-
5113/7935	Hg.	Northern Pike	-	-	-	-	A	A	A	B	B	B
Cochrane Dist.												
Murray Lake	Hg.	Walleye	-	A	A	A	B	B	B	C	C	-
4814/8409												
Bruyere & Copenace Twps.												
Algoma Dist.												
Oke Lake	Hg.	Walleye	-	-	-	-	B	C	D	-	-	-
4856/8153												
Kirkland & Oke Twps.												
Cochrane Dist.												
Reading Lake	Hg.	Northern Pike	-	-	-	-	-	-	-	A	B	-
4754/8118												
Sothman Twp.												
Sudbury Dist.												
Saymo Lake	Hg.	Lake Trout	-	-	-	-	A	A	B	B	C	-
4659/8331												
McIlveen Twp.												
Algoma Dist.												
Sinclair Lake	Hg.	Walleye	-	A	A	B	B	C	C	D	-	-
4751/8121	Hg.	Northern Pike	-	-	-	-	-	B	B	C	C	C
Sothman & Nursey Twps.												
Sudbury Dist.												
Skog Lake	Hg.	Northern Pike	-	-	-	A	A	B	B	C	C	-
4721/8108												
Browning Twp.												
Sudbury Dist.												
Sothman Lake	Hg.	Northern Pike	-	-	-	-	-	A	A	B	B	-
4754/8116	Hg.	Walleye	-	-	-	-	-	A	B	C	C	-
Sothman Twp.												
Sudbury Dist.												
Lake Timiskaming	Hg.	Northern Pike	-	-	-	-	-	A	B	B	C	-
4652/7915	Hg.	Walleye	-	-	-	B	B	C	C	-	-	-
Timiskaming Dist.	Hg.	Cisco	-	-	A	A	A	A	-	-	-	-
	Hg.	Sauger	-	-	B	B	C	-	-	-	-	-
	Hg.	Mooneye	-	-	A	A	A	-	-	-	-	-
	Hg.	Ling	-	-	-	-	-	B	B	C	D	-
West Shining Tree Lake	Hg.	Northern Pike	-	-	-	-	A	A	B	B	C	-
4735/8117	Hg.	Walleye	-	-	-	A	A	B	B	-	-	-
Churchill & Asquith Twps.												
Sudbury Dist.												
Wizard Lake	Hg.	Walleye	-	-	-	B	B	B	C	-	-	-
4744/8146	Hg.	Northern Pike	-	-	-	B	B	B	B	B	C	-
Jack Twp.												
Sudbury Dist.												
<u>Northwestern Region</u>												
Mameigwess Lake	Hg.	Whitefish	-	-	-	A	A	A	A	-	-	-
4934/9149	Hg.	Lake Trout	-	-	-	A	A	A	A	A	-	-
Ilsley Twp.	Hg.	Walleye	-	-	-	-	-	A	A	-	-	-
Kenora Dist.												
Lake Nipigon	Hg, PCB.	Walleye	-	-	-	A	A	A	B	-	-	-
(Ombabika Bay)	Hg, PCB.	Longnose Sucker	-	-	-	-	A	A	-	-	-	-
5012/8815	Hg, PCB.	Sauger	-	-	A	A	A	-	-	-	-	-
Thunder Bay Dist.	Hg, PCB.	Cisco	-	-	A	A	A	-	-	-	-	-
Paguchi Lake	Hg.	Whitefish	-	-	-	A	A	A	-	-	-	-
4934/9132	Hg.	Lake Trout	-	-	-	-	A	A	A	A	A	-
Kenora Dist.	Hg.	Northern Pike	-	-	-	-	-	A	A	A	A	-

LAKE LOCATION CO-ORDINATES	CONTAMINANTS SAMPLED	SPECIES	SIZE RANGE IN INCHES (CM) < 6 <15	6-8 15-20	8-10 20-25	10-12 25-30	12-14 30-35	14-18 35-45	18-22 45-55	22-26 55-65	26-30 > 30 65-75 > 75
Great Lakes											
Lake Ontario #5 (St. Lawrence River, Landon's Bay) 4421/7604 Leeds Co.	PCB, Mirex.	Channel Catfish	-	-	-	-	-	X	X	X	- -
Lake Superior #5 (Pic & White River areas) 4836/8618 Thunder Bay Dist.	Hg, PCB, Mirex, Pest.	Lake Trout	-	-	-	-	-	A	A	A	- -
	"	Whitefish	-	-	-	-	-	A	A	-	- -
Lake Superior #5 (south of Marathon) 4840/8630 Thunder Bay Dist.	Hg, PCB, Mirex, Pest.	Lake Trout	-	-	-	-	-	A	A	B	C -

ENVIRONMENT ONTARIO BULLETIN

November, 1978.

ENVIRONMENTAL HEALTH BULLETIN

Ontario's Fish Contaminants Information Program

Environment Ontario issues bulletins on a routine basis to provide Ontario residents with up-to-date information on the results of fish collected and tested for contaminants such as mercury and PCB.

This bulletin contains information on fish collected from 36 water-courses and supplements the information on about 500 lakes and rivers contained in the "Guide to Eating Ontario Sport Fish" booklets published in April, 1978 and subsequent Environmental Health Bulletins.

For each lake, the individual fish species tested are categorized according to size and contaminant concentration. Safe consumption limits can be determined by consulting the following "Fish Consumption Guidelines" table.

FISH CONSUMPTION GUIDELINES

(Expressed in meals per week or month with a meal consisting of an 8-ounce portion)

CATEGORY	LENGTH OF FISHING VACATION			
	ONE WEEK	TWO WEEKS	THREE WEEKS	MORE THAN THREE WEEKS
A	← NO RESTRICTIONS →			
B	10 Meals/Week	5 Meals/Week	4 Meals/Week	1 Meal/Week
C	7 Meals/Week	4 Meals/Week	3 Meals/Week	3 Meals/Month
D	← NO CONSUMPTION →			
X	1 or 2 Meals/Week	1 or 2 Meals/Week	1 or 2 Meals/Week	1 or 2 Meals/Month

\- indicates that fish from these size ranges were not collected and consumption guidelines are not available

* For the purpose of these guidelines, those people who fish on and off for part of the year exceeding three weeks are considered long-term consumers.

NOTE: WOMEN OF CHILD BEARING AGE AND CHILDREN UNDER 15 YEARS OF AGE SHOULD EAT ONLY FISH FROM THE "A" CATEGORY.

Ontario Ministry of the Environment

Hon. Harry C. Parrott, D.D.S., Minister

K. H. Sharpe, Deputy Minister

The recommended maximum consumption levels depend upon the period of time over which fish are consumed (1 week, 2 weeks, etc.) and the contaminant concentration in the fish. The categories A, B, C and D in the above guideline represent levels of mercury from less than 0.5 parts per million (A) to over 1.5 parts per million (D). Fish categorized as "X" contain one or more organic contaminants (PCB, DDT or mirex) at concentrations exceeding federal, unrestricted consumption guidelines.

To determine the recommended level of consumption of a given fish:

1. Identify the species.

2. Measure the length of the fish from the fork of the tail to the tip of the nose.

3. Check the lake table for the appropriate lake.

4. Note the category letter for the particular fish you are checking.

5. Determine the consumption recommendations from the "Fish Consumption Guidelines" table above.

As well as the lake name and its geographical location, the table includes the species of fish collected and the contaminants sampled for (e.g. Hg-mercury) and the level of contaminant in fish of each size caught as represented by a category letter defined above.

Booklets entitled "Guide to Eating Ontario Sport Fish", outlining the facts about fish contamination and the resultant health implications are now available from local offices of the ministries of the Environment and Natural Resources and in northern Ontario, the Ministry of Northern Affairs. For information concerning specific waterbodies and fish species, these local offices should be contacted.

The Ontario Government is continuing to sample fish from many lakes throughout the Province. As further information on additional waterbodies becomes available, listings will be made available to the media and data can be obtained from the local offices of the ministries of Environment and Natural Resources.

FOR FURTHER INFORMATION: A. Johnson (416) 965-6954
J. Ralston (416) 965-6954
J. Steele (416) 965-7117

LAKE, LOCATION, CO-ORDINATES	CONTAMINANTS SAMPLED	SPECIES	SIZE RANGE IN INCHES (CM) (IN)	<6	6-8	8-10	10-12	12-14	14-18	18-22	22-26	26-30	> 30
			(CM)	< 15	15-20	20-25	25-30	30-36	36-46	46-56	56-66	66-76	> 76
Southeastern Region													
Buckshot Lake 4500/7704 Miller Twp. Frontenac Co.	Hg	Walleye		-	-	-	A	A	B	B	C	-	-
	Hg	Smallmouth Bass		-	-	A	A	A	B	-	-	-	-
Crosby Lake 4445/7626 North Crosby Twp. Leeds Co.	Hg	Walleye		-	-	-	A	A	B	B	-	-	-
	Hg	Smallmouth Bass		A	A	A	A	A	B	B	-	-	-
Cross Lake (Crotch Lake) 4455/7648 Palmerston Twp. Frontenac Co.	Hg	Walleye		-	-	-	A	A	B	C	D	-	-
	Hg	Smallmouth Bass		-	-	A	A	B	B	C	-	-	-
Rideau River 4503/7541 Rideau Twp. Ottawa-Carleton Region	Hg	Walleye		-	-	-	-	A	B	B	D	D	D
	"	Northern Pike		-	-	-	A	A	A	A	B	B	C
	"	Smallmouth Bass		-	-	A	A	B	C	D	-	-	-
	"	Largemouth Bass		-	-	A	A	B	C	D	-	-	-
	"	Rock Bass		A	A	B	-	-	-	-	-	-	-
	"	Black Crappie		A	A	A	A	B	-	-	-	-	-
	"	Yellow Perch		A	A	A	B	B	-	-	-	-	-
	"	Brown Bullhead		-	A	A	A	A	-	-	-	-	-
South Nation River 4509/7511 (Pendleton) (4527/7504) (Casselman) (4519/7507) (Connaught) (4511/7510) (Cass Bridge) (4503/7520)	Hg	Walleye		-	-	B	B	B	C	C	D	D	-
	Hg	Sauger		-	A	B	C	D	D	-	-	-	-
Central Region													
Bass Lake 4436/7930 Orillia & Oro Twps. Simcoe Co.	Hg	Smallmouth Bass		-	-	A	A	A	A	B	-	-	-
Lake Couchiching (Cunningham Bay) 4442/7922 Orillia Twp. Simcoe Co.	Hg	Yellow Perch		A	A	A	A	B	-	-	-	-	-
Duffin Creek 4358/7911 Durham R.M.	Hg	Brook Trout		A	A	A	A	B	-	-	-	-	-
Little Lake 4425/7940 Vespra Twp. Simcoe Co.	Hg	Walleye		-	-	-	A	A	A	A	B	C	-
Morrison Lake 4452/7927 Wood Twp. Muskoka Region	Hg	Smallmouth Bass		-	A	A	B	B	C	D	-	-	-
Orr Lake 4436/7948 Flos & Medonte Twps. Simcoe Co.	Hg	Largemouth Bass		-	-	A	A	A	B	C	D	-	-
	Hg	Northern Pike		-	-	-	-	-	A	A	B	B	C
Southwestern Region													
Ausable River 4319/8146 Bosanquet Twp. Lambton Co.	Hg	Northern Pike		-	-	-	A	A	A	A	A	B	B
	Hg	Rock Bass		A	A	A	B	B	-	-	-	-	-
	Hg	Carp		A	A	A	A	A	A	A	A	B	B
St. Clair River 4233/8240 Lambton Co.	Hg	Yellow Perch		A	A	A	-	-	-	-	-	-	-
Sydenham River 4235/8211 Camden Twp. Kent Co.	Hg	Northern Pike		-	-	-	-	A	A	A	A	B	-
	Hg	Walleye		-	-	-	-	A	A	A	B	-	-
	Hg	Black Crappie		-	A	A	A	B	D	-	-	-	-
	Hg	White Bass		-	A	A	A	A	C	-	-	-	-

LAKE, LOCATION, CO-ORDINATES	CONTAMINANTS SAMPLED	SPECIES	SIZE RANGE IN INCHES (CM) (IN)	<6	6-8	8-10	10-12	12-14	14-18	18-22	22-26	26-30	>30
			(CM)	<15	15-20	20-25	25-30	30-36	36-46	46-56	56-66	66-76	>76
Northeastern Region													
Bay Lake 4721/7951 Coleman Twp. Timiskaming Dist.	Hg	Northern Pike		-	-	A	A	A	A	A	A	-	-
Black Trout 4803/8450 Twp. 30-XXIV Algoma Dist.	Hg	Lake Trout		-	-	A	A	A	A	B	B	C	-
Catfish Lake 4806/8448 Twp. 30-XXIV Algoma Dist.	Hg	Walleye		-	-	A	A	A	B	C	D	-	-
Dog Lake 4817/8408 Algoma Dist.	Hg	Northern Pike		-	-	-	-	-	A	A	B	B	C
	Hg	Walleye		-	A	A	A	A	A	B	B	B	C
Fife Lake 4738/8454 Twp. 31-XIX Algoma Dist.	Hg	Speckled Trout		-	A	A	A	A	-	-	-	-	-
Gargantua Lake 4737/8454 Twp. 31-XIX Algoma Dist.	Hg	Speckled Trout		-	A	A	A	A	-	-	-	-	-
Hawk Lake 4804/8434 Twp. 28-XXIV Algoma Dist.	Hg	Walleye		-	-	A	A	A	B	B	C	D	-
Lady Evelyn Lake 4720/8010 Leo, Dane & Medina Twps. Timiskaming Dist.	Hg	Walleye		-	-	A	A	A	A	B	B	-	-
Lorrain Lake 4706/7937 S. Lorrain Twp. Timiskaming Dist.	Hg	Northern Pike		-	-	-	A	A	A	A	A	B	B
Michipicoten River 4756/8451 Twp. 30-XXII Algoma Dist.	Hg	Lake Trout		-	-	-	-	-	-	A	A	A	B
Wawa Lake 4801/8443 Twp. 29-XXIII Algoma Dist.	Hg	Lake Trout		-	-	-	-	A	A	A	A	A	-
Northwestern Region													
Ball Lake 5018/9400 Kenora Dist.	Hg	Northern Pike		-	-	-	-	-	C	D	D	D	D
	Hg	Walleye		-	-	C	D	D	D	D	D	-	-
Carpenter Lake 5111/9046 Kenora Dist.	Hg	Walleye		-	-	-	-	A	B	C	D	-	-
Eabamet Lake 5132/8746 Kenora Dist.	Hg	Walleye		-	-	A	A	A	A	A	-	-	-
Makokibatan Lake 5117/8720 Kenora & Thunder Bay Dists.	Hg	Walleye		-	-	A	A	A	B	B	C	-	-
Obaskaka Lake 5119/9113 Kenora Dist.	Hg	Northern Pike		-	-	-	-	-	A	A	B	B	-
Sand Lake 5005/9439 Kenora Dist.	Hg	Walleye		-	A	A	A	A	B	B	C	-	-
	Hg	Northern Pike		-	-	-	-	-	-	B	B	B	C
	Hg	Whitefish		-	A	A	A	A	A	A	A	-	-
Teabeau Lake 5125/8644 Kenora & Thunder Bay Dists.	Hg	Walleye		-	-	-	A	A	A	B	B	-	-
Tetu Lake 5011/9502 Kenora Dist.	Hg	Walleye		-	A	B	B	B	C	D	D	D	-
Triangular Lake 5129/8758 Kenora & Thunder Bay Dists.	Hg	Walleye		-	-	A	A	A	B	B	B	-	-
Great Lakes													
Lake Ontario #7 (Lake St. Francis)	Hg, PCB, Mirex, Pest.	Walleye		-	-	-	-	A	B	C	D	D	-
Lake Huron GB#1 4555/8056 (Whitefish Bay)	Hg, PCB, Mirex, Pest.	Walleye		-	-	-	-	A	A	B	B	-	-

ENVIRONMENT ONTARIO BULLETIN

SEPTEMBER, 1978.

ENVIRONMENTAL HEALTH BULLETIN

Ontario's Fish Contaminants Information Program

Environment Ontario issues bulletins on a routine basis to provide Ontario residents with up-to-date information on the results of fish collected and tested for contaminants such as mercury and PCB.

This bulletin contains information on fish collected from 54 watercourses and supplements the information on about 500 lakes and rivers contained in the "Guide to Eating Ontario Sport Fish" booklets published in April, 1978 and subsequent Environmental Health Bulletins.

For each lake, the individual fish species tested are categorized according to size and contaminant concentration. Safe consumption limits can be determined by consulting the following "Fish Consumption Guidelines" table.

FISH CONSUMPTION GUIDELINES

(Expressed in meals per week or month with a meal consisting of an 8-ounce portion)

CATEGORY	LENGTH OF FISHING VACATION			
	ONE WEEK	TWO WEEKS	THREE WEEKS	MORE THAN THREE WEEKS
A	← NO RESTRICTIONS →			
B	10 Meals/Week	5 Meals/Week	4 Meals/Week	1 Meals/Week
C	7 Meals/Week	4 Meals/Week	3 Meals/Week	3 Meals/Month
D	← NO CONSUMPTION →			
X	1 or 2 Meals/Week	1 or 2 Meals/Week	1 or 2 Meals/Week	1 or 2 Meals/Month

* For the purpose of these guidelines, those people who fish on and off for part of the year exceeding three weeks are considered long-term consumers.

NOTE: WOMEN OF CHILD BEARING AGE AND CHILDREN UNDER 15 YEARS OF AGE SHOULD EAT ONLY FISH FROM THE "A" CATEGORY.

Ontario Ministry of the Environment

Hon. Harry C. Parrott, D.D.S., Minister

K. H. Sharpe, Deputy Minister

The recommended maximum consumption levels depend upon the period of time over which fish are consumed (1 week, 2 weeks, etc.) and the contaminant concentration in the fish. The categories A, B, C and D in the above guideline represent levels of mercury from less than 0.5 parts per million (A) to over 1.5 parts per million (D). Fish categorized as "X" contain one or more organic contaminants (PCB, DDT or mirex) at concentrations exceeding federal, unrestricted consumption guidelines.

To determine the recommended level of consumption of a given fish:

1. Identify the species.

2. Measure the length of the fish from the fork of the tail to the tip of the nose.

3. Check the lake table for the appropriate lake.

4. Note the category letter for the particular fish you are checking.

5. Determine the consumption recommendations from the "Fish Consumption Guidelines" table above.

The table attached provides information on 14 watercourses (identified by asterisks) not previously sampled and additional contaminant data on 40 watercourses listed in the 1978 "Guide to Eating Ontario Sport Fish" or subsequent Environmental Health Bulletins, which have been released since the publication of the "Guide" in April.

As well as the lake name and its geographical location, the table includes the species of fish collected and the contaminants sampled for (e.g. Hg-mercury) and the level of contaminant in fish of each size caught as represented by a category letter defined above.

Booklets entitled "Guide to Eating Ontario Sport Fish", outlining the facts about fish contamination and the resultant health implications are now available from local offices of the ministries of the Environment and Natural Resources and in northern Ontario, the Ministry of Northern Affairs. For information concerning specific waterbodies and fish species, these local offices should be contacted.

The Ontario Government is continuing to sample fish from many lakes throughout the Province. As further information on additional water- bodies becomes available, listings will be made available to the media and data can be obtained from the local offices of the ministries of Environment and Natural Resources.

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			< 6 ≤15	6-8 15-20	8-10 20-25	10-12 25-30	12-14 30-36	14-18 36-46	18-22 46-56	22-26 56-66	26-30 66-76	>30 >76
Southeastern Region												
Big Gull Lake 4450/7658 Barrie, Clarendon & Kennebec Twps. Frontenac Co.	Hg	Walleye	-	-	-	-	A	B	C	D	-	-
Black Lake 4446/7618 North Burgess Twp. Lanark Co.	Hg, PCB, Mirex, Pest.	Smallmouth Bass	-	-	A	B	B	C	D	-	-	-
	"	Northern Pike	-	-	-	-	A	A	A	-	-	-
Calabogie Lake 4516/7645 Blithfield & Bagot Twps. Renfrew Co.	Hg	Walleye	-	-	A	A	A	B	C	D	-	-
	"	Northern Pike	-	-	-	-	-	A	B	C	-	-
	"	Cisco	-	A	A	B	B	B	-	-	-	-
*Consecon Lake 4400/7727 Ameliasburgh & Hillier Twps. Prince Edward Co.	Hg	Walleye	-	-	-	-	B	B	C	-	-	-
	Hg	Northern Pike	-	-	-	-	-	A	A	B	B	B
*East Lake 4355/7712 Athol Twp. Prince Edward Co.	Hg	Smallmouth Bass	-	-	-	A	A	B	C	-	-	-
	Hg	Walleye	-	-	-	-	A	A	B	-	-	-

LAKE LOCATION CO-ORDINATES	CONTAMINANTS SAMPLED	SPECIES	SIZE RANGE IN INCHES (CM)									
			< 6 < 15	6-8 15-20	8-10 20-25	10-12 25-30	12-14 30-36	14-18 36-46	18-22 46-56	22-26 56-66	26-30 66-76	>30 >76
Kamaniskeg Lake 4525/7741 Bangor Twp. Renfrew Co.	Hg, PCB, Mirex, Pest.	Lake Trout	-	-	-	-	-	A	B	C	D	D
Mississippi Lake 4505/7610 Drummond Twp. Lanark Co.	Hg, PCB, Mirex, Pest.	Walleye	-	-	A	A	A	B	B	C	C	-
	"	Largemouth Bass	-	A	A	A	B	B	C	-	-	-
	"	Smallmouth Bass	-	A	A	A	B	B	C	-	-	-
	Hg	Northern Pike	-	-	-	A	A	A	B	B	C	-
	Hg, PCB, Mirex, Pest.	Yellow Perch	-	A	A	A	-	-	-	-	-	-
Muskrat Lake 4540/7655 Westmeath Twp. Renfrew Co.	Hg, PCB, Mirex, Pest.	Lake Trout	-	-	-	-	-	A	A	B	B	C
	"	Rainbow Smelt	-	A	B	B	-	-	-	-	-	-
	Hg	Northern Pike	-	-	-	-	A	B	C	-	-	-
Otty Lake 4451/7613 North Burgess Twp. Lanark Co.	Hg, PCB, Mirex, Pest.	Northern Pike	-	-	-	-	-	A	B	B	C	D
	"	Smallmouth Bass	-	-	A	A	B	C	D	D	-	-

LAKE LOCATION CO-ORDINATES	CONTAMINANTS SAMPLED	SPECIES	SIZE RANGE IN INCHES (CM)									
			< 6 < 15	6-8 15-20	8-10 20-25	10-12 25-30	12-14 30-36	14-18 36-46	18-22 46-56	22-26 56-66	26-30 66-76	>30 >76
*Raisin River 4510/7440 Charlottenburg Twp. Glengarry Co.	Hg	Walleye	-	-	-	-	A	B	B	C	D	-
*West Lake 4356/7717	Hg	Walleye	-	-	-	-	A	A	B	D	D	-
Hallowell Twp. Prince Edward Co.	Hg	Yellow Perch	A	A	A	-	-	-	-	-	-	-
Central Region												
Balsam Lake 4435/7850 Bexley & Fenelon Twps. Victoria Co.	Hg, PCB, Mirex, Pest.	Walleye	-	-	A	A	A	A	A	B	-	-
	"	Smallmouth Bass	-	A	A	A	A	A	B	-	-	-
	"	Yellow Perch	A	A	A	A	B	-	-	-	-	-
Lake Joseph 4510/7944 Medora Twp. Muskoka Region	Hg	Smallmouth Bass	-	-	A	A	A	B	C	-	-	-
	Hg	Rainbow Smelt	A	C	-	-	-	-	-	-	-	-
	Hg, PCB, Mirex, Pest.	Lake Trout	-	-	-	-	-	A	A	B	C	-

LAKE LOCATION CO-ORDINATES	CONTAMINANTS SAMPLED	SPECIES	SIZE RANGE IN INCHES (CM)									
			< 6 < 15	6-8 15-20	8-10 20-25	10-12 25-30	12-14 30-36	14-18 36-46	18-22 46-56	22-26 56-66	26-30 66-76	>30 >76
Peninsula Lake 4520/7906 Chaffey Twp. Muskoka Region	Hg, PCB, Mirex, Pest.	Smallmouth Bass	-	A	A	A	A	B	-	-	-	-
Percy Reach 4414/7747 Percy Twp. Northumberland Co.	Hg, PCB, Mirex, Pest.	Walleye	-	-	A	A	A	A	B	B	C	-
	"	Yellow Perch	A	A	A	A	A	-	-	-	-	-
Lake Rosseau 4510/7935 Cardwell Twp. Muskoka Region	Hg, PCB, Mirex, Pest.	Lake Trout	-	-	-	-	B	B	B	C	C	D
	"	Rainbow Smelt	A	-	-	-	-	-	-	-	-	-
Seymour Lake 4423/7749 Seymour Twp. Northumberland Co.	Hg, PCB, Mirex, Pest.	Yellow Perch	A	A	A	A	A	-	-	-	-	-
	"	Walleye	-	-	-	A	A	A	A	B	B	C
	"	Largemouth Bass	-	-	A	A	A	A	B	-	-	-

LAKE LOCATION CO-ORDINATES	CONTAMINANTS SAMPLED	SPECIES	SIZE RANGE IN INCHES (CM)									
			< 6 < 15	6-8 15-20	8-10 20-25	10-12 25-30	12-14 30-36	14-18 36-46	18-22 46-56	22-26 56-66	26-30 66-76	>30 >76
Skeleton Lake 4515/7927 Cardwell Twp. Muskoka Region	Hg, PCB, Mirex, Pest.	Lake Trout	-	-	-	-	A	A	A	B	B	-
	"	Walleye	-	-	-	A	A	A	B	B	C	-
	PCB, Mirex, Pest.	Smallmouth Bass	-	-	A	A	A	A	-	-	-	-
Stony Lake 4433/7806 Dummer Twp. Peterborough Co.	Hg	Walleye	-	-	A	A	A	B	C	-	-	-
	Hg	Ling	-	-	A	A	A	A	B	B	C	-
	Hg, PCB, Mirex, Pest.	Muskie	-	-	-	-	-	-	-	-	A	A
	Hg	Cisco	-	-	-	A	A	A	A	-	-	-
Sturgeon Lake 4428/7843 Fenelon Twp. Victoria Co.	Hg	Smallmouth Bass	-	A	A	A	A	A	-	-	-	-
	Hg	Walleye	-	-	A	A	A	A	A	A	A	-
	Hg, PCB, Mirex, Pest.	Yellow Perch	A	A	A	-	-	-	-	-	-	-
Tadenac Lake 4503/7957 Freeman Twp. Muskoka Region.	Hg	Lake Trout	-	-	A	A	A	A	B	B	C	C
	Hg	Smallmouth Bass	-	A	A	A	B	-	-	-	-	-
	Hg	Northern Pike	-	-	-	-	-	-	A	B	B	C

LAKE LOCATION CO-ORDINATES	CONTAMINANTS SAMPLED	SPECIES	SIZE RANGE IN INCHES (CM)									
			< 6 < 15	6-8 15-20	8-10 20-25	10-12 25-30	12-14 30-36	14-18 36-46	18-22 46-56	22-26 56-66	26-30 66-76	> 30 > 76
*Talbot River 4428/7910 Durham Region.	Hg	Walleye	-	-	-	-	-	A	A	B	C	D
Walker Lake 4523/7905 Sinclair Twp. Muskoka Region.	Hg, PCB, Mirex, Pest.	Smallmouth Bass	-	-	A	A	A	B	-	-	-	-
Northeastern Region												
Abitibi River -Abitibi Canyon 4952/8134 Cochrane Dist.	Hg, PCB, Mirex, Pest.	Walleye	-	-	-	B	B	C	D	D	D	-
	"	Goldeye	-	-	A	A	B	B	-	-	-	-
Abitibi River -Iroquois Falls 4846/8041 Cochrane Dist.	Hg, PCB, Mirex, Pest.	Northern Pike	-	-	-	-	-	-	B	B	C	C
	"	Walleye	-	-	-	-	-	D	D	D	-	-
Aylen Lake 4537/7751 Dickens Twp. Nipissing Dist.	Hg, PCB, Mirex, Pest.	Whitefish	-	-	A	A	-	-	-	-	-	-
	"	Lake Trout	-	-	-	A	A	A	B	C	C	-
Bernard Lake 4545/7923 Strong Twp. Parry Sound Dist.	Hg, PCB, Mirex, Pest.	Lake Trout	-	-	-	-	-	A	B	B	C	-
	Hg	Smallmouth Bass	-	A	A	A	B	B	-	-	-	-
	Hg	Rainbow Smelt	A	-	-	-	-	-	-	-	-	-

LAKE LOCATION CO-ORDINATES	CONTAMINANTS SAMPLED	SPECIES	SIZE RANGE IN INCHES (CM)									
			< 6 < 15	6-8 15-20	8-10 20-25	10-12 25-30	12-14 30-36	14-18 36-46	18-22 46-56	22-26 56-66	26-30 66-76	>30 >76
Frederick House Lake 4839/8055 Evelyn Twp. Cochrane Dist.	Hg	Northern Pike	-	-	-	-	A	A	B	B	-	-
	Hg, PCB, Mirex, Pest.	Walleye	-	-	-	-	B	B	C	-	-	-
	"	Goldeye	-	-	-	A	A	B	-	-	-	-
Frederick House River 4911/8109 Leitch Twp. Cochrane Dist.	Hg, PCB, Mirex, Pest.	Walleye	-	-	-	B	B	C	D	D	-	-
	PCB, Mirex, Pest.	Northern Pike	-	-	-	-	-	-	A	A	A	A
Kenogamissi Lake 4815/8133 Timiskaming Dist.	Hg, PCB, Mirex, Pest.	Walleye	-	-	-	B	B	C	C	C	-	-
	"	Northern Pike	-	-	-	-	-	-	B	B	-	-
Mattagami River North of Smooth Rock Falls 4917/8138 Kendry Twp. Cochrane Dist.	Hg, PCB, Mirex, Pest.	Walleye	-	-	-	-	A	B	C	D	D	D
	"	Sturgeon	-	-	-	-	-	A	A	A	A	A
Moose Lake 4830/8044 Bond Twp. Cochrane Dist.	Hg, PCB, Mirex, Pest.	Walleye	-	-	A	A	B	C	C	-	-	-
	"	Northern Pike	-	-	-	-	A	A	A	B	-	-

LAKE LOCATION CO-ORDINATES	CONTAMINANTS SAMPLED	SPECIES	SIZE RANGE IN INCHES (CM)									
			< 6 < 15	6-8 15-20	8-10 20-25	10-12 25-30	12-14 30-36	14-18 36-46	18-22 46-56	22-26 56-66	26-30 66-76	>30 >76
Nighthawk Lake 4828/8058 Cody Twp. Cochrane Dist.	Hg	Mooneye	-	-	-	-	A	B	-	-	-	-
	Hg, PCB, Mirex, Pest.	Walleye	-	-	A	A	B	B	C	D	-	-
	"	Northern Pike	-	-	-	A	A	A	B	B	C	C
	"	Sauger	-	-	A	B	C	-	-	-	-	-
Vermilion Lake 4630/8126 Fairkank Twp. Sudbury Dist.	Hg, PCB, Mirex, Pest.	Walleye	-	-	-	A	A	A	B	B	-	-
	"	Smallmouth Bass	-	A	A	A	A	B	-	-	-	-
	"	Yellow Perch	A	A	A	A	A	-	-	-	-	-
Northwestern Region												
Aramis Lake 4844/9123 Rainy River Dist.	Hg, PCB, Mirex, Pest.	Walleye	-	-	-	-	-	B	C	D	-	-
	"	Northern Pike	-	-	-	-	-	B	B	-	-	-
*Batwing Lake 4826/9010 Thunder Bay Dist.	Hg	Walleye	-	A	A	A	A	A	A	-	-	-

LAKE LOCATION CO-ORDINATES	CONTAMINANTS SAMPLED	SPECIES	SIZE RANGE IN INCHES (CM)									
			< 6 < 15	6-8 15-20	8-10 20-25	10-12 25-30	12-14 30-36	14-18 36-46	18-22 46-56	22-26 56-66	26-30 66-76	> 30 > 76
Chub Lake 4845/9155 Rainy River Dist.	Hg, PCB, Mirex, Pest.	Walleye	-	-	-	A	A	B	B	-	-	-
	"	Northern Pike	-	-	-	-	-	-	A	B	-	-
Crooked Pine Lake 4847/9104 Trottier & Wea Twps. Rainy River Dist.	Hg, PCB, Mirex, Pest.	Walleye	-	-	-	-	A	A	B	B	B	-
	"	Northern Pike	-	-	-	-	-	A	A	A	B	B
*Dog Lake 4846/8932 Thunder Bay Dist.	Hg	Northern Pike	-	A	A	A	A	A	B	B	B	C
Finlayson Lake 4855/9134 Rainy River Dist.	Hg, PCB, Mirex, Pest.	Northern Pike	-	-	-	A	A	A	A	A	B	C
	"	Walleye	-	-	-	-	A	B	C	-	-	-
Kawene Lake 4845/9113 Trottier Twp. Rainy River Dist.	Hg, PCB, Mirex, Pest.	Northern Pike	-	-	-	-	-	B	D	D	-	-
Marmion Lake 4852/9131 Rainy River Dist.	Hg, PCB, Mirex, Pest.	Walleye	-	-	-	-	A	A	A	B	B	-
	"	Northern Pike	-	-	-	-	-	-	A	A	A	-

LAKE LOCATION CO-ORDINATES	CONTAMINANTS SAMPLED	SPECIES	SIZE RANGE IN INCHES (CM)									
			< 6 < 15	6-8 15-20	8-10 20-25	10-12 25-30	12-14 30-36	14-18 36-46	18-22 46-56	22-26 56-66	26-30 66-76	>30 >76
Meggisi Lake 4917/9236 Rainy River Dist.	Hg, PCB, Mirex, Pest.	Lake Trout	-	-	-	-	-	B	B	-	-	-
*Nelson Lake 4827/9032 Thunder Bay Dist	Hg	Walleye	-	-	-	A	A	A	A	B	-	-
Nym Lake 4842/9126 Rainy River Dist.	Hg, PCB, Mirex, Pest.	Walleye	-	-	-	-	-	A	B	C	C	D
	"	Northern Pike	-	-	-	-	A	A	A	A	B	B
	"	Lake Trout	-	-	-	-	-	-	A	B	B	-
Pickerel Lake 4837/9119 Rainy River Dist.	Hg, PCB, Mirex, Pest.	Northern Pike	-	-	-	-	-	A	A	B	C	D
	"	Lake Trout	-	-	-	-	-	-	A	C	D	D
	"	Smallmouth Bass	-	-	-	A	A	B	C	-	-	-
	"	Walleye	-	-	-	A	A	B	B	C	D	D
*Pickwick Lake 4900/9306 Rainy River Dist.	Hg	Walleye	-	A	B	B	B	B	C	C	-	-
	Hg	Northern Pike	-	-	A	A	A	B	B	C	C	D

LAKE LOCATION CO-ORDINATES	CONTAMINANTS SAMPLED	SPECIES	SIZE RANGE IN INCHES (CM)									
			< 6 < 15	6-8 15-20	8-10 20-25	10-12 25-30	12-14 30-36	14-18 36-46	18-22 46-56	22-26 56-66	26-30 66-76	> 30 > 76
*Rainy Lake -Bleak Bay 4838/9255	Hg	Walleye	-	-	A	A	A	B	B	-	-	-
Rainy River Dist.	Hg	Northern Pike	-	-	-	-	A	A	B	B	C	D
Rainy Lake -General 4838/9255	Hg, PCB, Mirex, Pest.	Northern Pike	-	-	-	-	-	-	B	B	C	C
Rainy River Dist.	Hg	Walleye	-	-	-	-	A	B	C	D	-	-
*Smiley Lake 4858/8917 Thunder Bay Dist.	Hg	Northern Pike	-	-	A	A	A	A	A	B	B	B
*Weller Lake 4857/9308	Hg	Walleye	-	-	A	A	A	B	B	-	-	-
Rainy River Dist.	Hg	Northern Pike	-	-	-	-	-	A	A	B	C	-
*Whistle Lake 4918/8928 Thunder Bay Dist.	Hg	Northern Pike	-	-	-	A	A	A	B	B	C	-
Great Lakes												
Lake Erie #4 Haldimand-Norfolk Area	Hg, PCB, Mirex, Pest.	Rainbow Trout	-	-	-	-	-	A	A	A	A	-

LAKE LOCATION CO-ORDINATES	CONTAMINANTS SAMPLED	SPECIES	SIZE RANGE IN INCHES (CM)									
			< 6 < 15	6-8 15-20	8-10 20-25	10-12 25-30	12-14 30-36	14-18 36-46	18-22 46-56	22-26 56-66	26-30 66-76	> 30 > 76
*Lake Erie #4 -Long Point Bay 4234/8015 Haldimand-Norfolk Area	Hg	Yellow Perch	A	A	A	A	A	-	-	-	-	-

ENVIRONMENT ONTARIO BULLETIN

ENVIRONMENTAL HEALTH BULLETIN FEBRUARY, 1978.

Environment Ontario issues bulletins monthly to provide Ontario residents with up-to-date information on any environmental conditions which may pose a hazard to health.

This bulletin supplements information provided through the Ontario Government Fish Contaminants Information Program. It will be compiled with earlier environmental health bulletins and incorporated in an updated information package in Spring 1978.

Information now available includes: the free booklet, "Guide to Eating Ontario Sportfish", individual lake cards listing contaminant levels for each species in 167 locations sampled up to the end of 1976, and the book "Health Implications of Contaminants in Fish", available for $5 from the Ontario Government Bookstore.

The "Guide to Eating Ontario Sportfish" is available from local offices of the ministries of the Environment and Natural Resources. These offices can also supply detailed information on specific water bodies and fish species.

When dealing with mercury contamination, fish are categorized A, B, C, and D according to the level of mercury contamination.

The level of mercury in fish considered acceptable for unrestricted consumption is 0.5 parts per million or lower (category A). Fish containing between 0.5 and 1.5 ppm mercury (categories B and C) are suitable for occasional consumption (i.e. a few meals per month). Fish containing more than 1.5 ppm mercury (category D) should not be consumed. However, women of child-bearing age and children under 15 years of age should only consume fish from category A. Consumption guidelines included later in this bulletin reflect the maximum recommended consumption of fish according to contaminant content and duration of fishing vacation (one-week, two-week, three-week, and over three weeks). Fishing holidays should be spaced at least six months apart if the maximum recommended for B or C fish will be consumed.

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Ontario Ministry of the Environment

Hon.George R. McCague, Minister

K. H. Sharpe Deputy Minister

Since mercury content increases in fish with increasing size and age, analysis of specific sizes of fish from a particular lake can be used to determine the relationship between fish length and mercury level. Environment Ontario is now presenting the fish contaminant data in a form which will allow the angler, simply by measuring the fish caught, to determine the safe consumption level.

When dealing with organic pollutants, fish are categorized "E" if the average level of trace organic contaminants such as PCB, Mirex, DDT, or other pesticides is above federal consumption guidelines. Federal guidelines for PCBs, Mirex, and DDT are 2.0 ppm, 0.1 ppm and 5.0 ppm respectively. Fish falling into the category "E" should be limited to one or two meals per week for those on a short (one to three week) fishing trip. Those fishermen who eat the fish they catch throughout the fishing season should limit their consumption of "E" category fish to one or two meals per month.

ENVIRONMENTAL HEALTH GUIDELINES FOR FISH FROM 57 ONTARIO WATERCOURSES - 1977 SURVEY PROGRAM

CENTRAL ONTARIO

Lake Simcoe (York Co.) was sampled for smallmouth bass, northern pike, walleye, cisco, and yellow perch. Analysis for mercury showed that 28 smallmouth bass averaged 0.21 ppm, 22 northern pike averaged 0.20 ppm, 27 walleye averaged 0.60 ppm, 13 cisco averaged 0.13 ppm and 18 yellow perch averaged 0.20 ppm. These results do not alter the size-specific consumption guidelines published previously. Large and smallmouth bass up to 18 inches are suitable for unrestricted consumption, over 18 inches in length they are suitable for occasional meals. Yellow perch, northern pike, white sucker and whitefish are suitable for unrestricted consumption. Lake trout up to 30 inches in length are suitable for unrestricted consumption. Over 30 inches in length, they are suitable for occasional meals. Ling up to 26 inches are suitable for unrestricted consumption, over that length they are suitable for occasional meals. Walleye up to 18 inches are suitable for unrestricted consumption, from 18 to 30 inches in length they are suitable for occasional consumption, over 30 inches they should not be consumed. Cisco were suitable for unrestricted consumption.

Gloucester Pool (Muskoka District), located 20 miles northwest of Orillia was sampled for smallmouth bass, northern pike and walleye. Analysis for mercury showed 13 smallmouth bass to average 0.57 ppm, 15 northern pike averaged 0.32 ppm, and 14 walleye averaged 1.28 ppm. Size-specific guidelines indicate that smallmouth bass up to 14 inches are suitable for unrestricted consumption. From 14 to 22 inches, they are suitable for occasional meals. Northern pike up to 26 inches

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are suitable for unrestricted consumption, over that length they are suitable for occasional meals. A sample of walleye was inadequate for a size-specific consumption guideline; however, walleye as short as 20 inches were found to contain 1.5 ppm mercury. Therefore, walleye over that length should not be eaten; those less than that length would be suitable for occasional consumption.

Balsam Lake (Victoria Co.), located 16 miles north of Lindsay was sampled for walleye, smallmouth bass and yellow perch. Analysis for mercury showed 14 walleye to average 0.36 ppm, 20 smallmouth bass to average 0.27 ppm and 20 yellow perch to average 0.14 ppm. Walleye up to 22 inches are suitable for unrestricted consumption, over that length they are suitable for occasional consumption. Smallmouth bass up to 18 inches are suitable for unrestricted consumption, over that length they are suitable for occasional consumption. Yellow perch are suitable for unrestricted consumption.

Sturgeon Lake (Victoria Co.), located five miles north of Lindsay was sampled for walleye, smallmouth bass and yellow perch. Analysis for mercury showed that 20 walleye averaged 0.19 ppm, 20 smallmouth bass averaged 0.21 ppm and 20 yellow perch averaged 0.05 ppm. Size-specific consumption guidelines are available for walleye and smallmouth bass. Walleye, smallmouth bass and yellow perch are suitable for unrestricted consumption.

Dummer (White) Lake (Peterborough Co.), located 20 miles northeast of Peterborough was sampled for walleye and yellow perch. Analysis for mercury showed 12 walleye to average 0.22 ppm and 15 yellow perch to average 0.06 ppm. Size-specific consumption guidelines indicate that walleye and yellow perch are suitable for unrestricted consumption.

Crane Lake (Parry Sound District), located 12 miles southeast of Parry Sound was sampled for largemouth and smallmouth bass. Analysis for mercury showed 15 largemouth bass to average 0.37 ppm and six smallmouth bass to average 0.26 ppm. Size-specific consumption guidelines for the largemouth bass indicate fish up to 14 inches were suitable for unrestricted consumption, over that length they are suitable for occasional meals. The smallmouth bass sample was inadequate to give a projection; however, bass up to 13 inches (the largest in the sample) were suitable for unrestricted consumption.

Lake St. John (Simcoe Co.), located eight miles northeast of Orillia was sampled for northern pike. Analysis showed that 14 northern pike averaged 0.52 ppm. An earlier report showed walleye from Lake St. John to average 0.98 ppm mercury. Size-specific consumption guidelines indicate that northern pike up to 18 inches are suitable for unrestricted consumption. Over 18 inches in length, they are suitable for occasional consumption. Walleye up to 26 inches are suitable for occasional consumption; over that length they should not be consumed.

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Little Lake (Simcoe Co.), near Barrie, was sampled for largemouth bass. Analysis for mercury showed that 16 largemouth bass averaged 0.50 ppm. Size-specific consumption guidelines indicate that bass up to 14 inches are suitable for unrestricted consumption; over that length they are suitable for occasional meals.

SOUTHEASTERN ONTARIO

Fortune Lake (Miller Twp, Frontenac Co.), located about 32 miles northeast of Kaladar, was sampled for largemouth bass. Nine fish had an average mercury content of 0.20 ppm. All largemouth bass are suitable for unrestricted consumption.

Ottawa River - Brittania Bay (Carleton Co.), located at the west end of the City of Ottawa, was sampled for sauger. Thirty-seven fish had an average mercury level of 0.63 ppm. Although size specific consumption guidelines could not be developed, it is recommended that the consumption of sauger be restricted to occasional meals.

Wolf Lake (Tudor Twp., Hastings Co.), located about 12 miles north of Madoc, was sampled for largemouth bass. Twelve fish had an average mercury content of 0.41 ppm. Largemouth bass shorter than 12 inches are suitable for unrestricted consumption. Fish from 12 to 18 inches are suitable for occasional meals. Largemouth bass over 18 inches in length should not be eaten.

NORTHEASTERN ONTARIO

Schewabik Lake (Sadler Twp., Sudbury Dist.), located 28 miles northwest of Chapleau was sampled for northern pike and walleye. Analysis for mercury showed 15 northern pike averaged 0.54 ppm and 15 walleye averaged 0.59 ppm. Size-specific consumption guidelines indicate that northern pike up to 18 inches in length are suitable for unrestricted consumption, from 18-26 inches they are suitable for occasional consumption; when over 26 inches in length they should not be consumed. Walleye up to 14 inches are suitable for unrestricted consumption, from 14-22 inches they are suitable for occasional meals. Those over 22 inches in length should not be consumed.

Horwood Lake (Horwood Twp., Sudbury Dist.) located 38 miles northwest of Gogama was sampled for walleye and northern pike. Analysis for mercury showed that 15 walleye averaged 0.64 ppm and 15 northern pike averaged 0.43 ppm. Size-specific consumption guidelines indicate walleye up to 12 inches are suitable for unrestricted consumption. Above that length, they are suitable for occasional meals. Northern pike up to 18 inches are suitable for unrestricted consumption; above that length they are suitable for occasional meals.

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Ivanhoe Lake (Sudbury Dist.), located 48 miles northeast of Chapleau, was sampled for northern pike and walleye. Mercury analysis of these fish showed that 15 northern pike averaged 0.43 ppm and 15 walleye averaged 0.47 ppm. Size-specific consumption guidelines indicate pike up to 18 inches in length are suitable for unrestricted consumption; above that size they are suitable for occasional meals. Walleye up to 14 inches are suitable for unrestricted consumption; over that length they are suitable for occasional meals.

Weshaygo Lake (Twp. 10E, Sudbury Dist.), located 28 miles south-southeast of Chapleau was sampled for northern pike and white sucker. Analysis for mercury showed 15 northern pike to average 0.43 ppm and 14 white sucker to average 0.23 ppm. Size-specific consumption guidelines indicate northern pike up to 18 inches in length are suitable for unrestricted consumption; over that length they are suitable for occasional meals. White sucker are suitable for unrestricted consumption.

Five Mile Lake (Twps. 11D and 11E, Sudbury Dist.), located 20 miles southeast of Chapleau was sampled for walleye and northern pike. Mercury analysis showed that 15 walleye averaged 0.37 ppm and 10 northern pike averaged 0.31 ppm. Size-specific consumption guidelines for the walleye indicate that they are suitable for unrestricted consumption. Northern pike in a limited size range from 42 to 56 cm (16.5 to 22 inches) were sampled. All these pike were suitable for unrestricted consumption.

Tony Lake (DeGaulle Twp., Sudbury Dist.), located 24 miles southeast of Chapleau, was sampled for northern pike and white sucker. Analysis for mercury showed that 15 northern pike averaged 0.34 ppm and 8 white suckers averaged 0.08 ppm. Size-specific consumption guidelines indicate that northern pike up to 26 inches are suitable for unrestricted consumption; over that length they are suitable for occasional meals. White sucker are suitable for unrestricted consumption.

Oliver Lake (McKellar Twp., Parry Sound Dist.) located 20 miles northeast of Parry Sound, was sampled for smallmouth bass. Analysis for mercury showed 14 smallmouth bass to contain an average of 0.31 ppm. Size-specific consumption guidelines indicate that bass up to 14 inches are suitable for unrestricted consumption; bass over 14 inches in length are suitable for occasional meals.

Zadi Lake (Neely Twp., Cochrane Dist.), located 24 miles northwest of Kapuskasing was sampled for walleye and northern pike. Analysis for mercury showed 15 walleye to average 0.67 ppm and 15 northern pike to average 0.49 ppm. Size-specific consumption guidelines indicate that walleye up to 14 inches are suitable for unrestricted consumption; before 14-22 inches they are suitable for occasional meals; over that length they should not be consumed. Northern pike up to 18 inches are suitable for unrestricted consumption; over that length they are suitable for occasional meals.

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Kecil Lake (Victoria Twp., Algoma Dist.), located 25 miles west of Espanola, was sampled for northern pike. Analysis for mercury showed 15 northern pike to average 0.77 ppm. Size-specific consumption guidelines indicate northern pike up to 18 inches in length are suitable for unrestricted consumption; between 18 and 30 inches they are suitable for occasional meals. Those pike over 30 inches in length should not be consumed.

Lang Lake (Shedden Twp., Algoma Dist.), located 28 miles west of Espanola was sampled for northern pike. Analysis for mercury showed 15 northern pike to average 0.97 ppm. Size-specific consumption guidelines indicate that northern pike up to 22 inches in length are suitable for unrestricted consumption; between 22 and 30 inches in length they are suitable for occasional meals; those exceeding 30 inches in length should not be consumed.

McCraney Lake (McCraney Twp., Nipissing Dist.), located 25 miles northeast of Huntsville, was sampled for lake trout. Analysis for mercury showed 16 lake trout to average 0.35 ppm. Size-specific consumption guidelines indicate that lake trout up to 14 inches in length are suitable for unrestricted consumption. Trout between 14 and 22 inches in length are suitable for occasional meals.

Caribou Lake (McConkey Twp., Parry Sound Dist.), located 40 miles north of Parry Sound was sampled for lake trout and smallmouth bass. Analysis for mercury showed 13 lake trout to average 0.48 ppm and eight smallmouth bass to average 0.47 ppm. Size-specific consumption guidelines indicate lake trout up to 18 inches in length are suitable for unrestricted consumption; from 18 to 26 inches in length they are suitable for occasional meals; over that length they should not be consumed. Smallmouth bass up to 12 inches in length are suitable for unrestricted consumption over that length they are suitable for occasional meals. Walleye up to 18 inches are suitable for occasional meals over that length they should not be consumed.

Keenoa Lake (Fenton Twp., Cochrane Dist.), located 32 miles south of Kapuskasing, was sampled for northern pike and walleye. Analysis for mercury showed that 15 northern pike averaged 0.25 ppm and 15 walleye averaged 0.25 ppm. Size-specific consumption guidelines indicate that northern pike up to 22 inches in length are suitable for unrestricted consumption; from 22 to 26 inches they are suitable for occasional meals. Walleye up to 18 inches are suitable for unrestricted consumption; from 18 to 26 inches they are suitable for occasional meals.

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Griffin Lake (Griffin Twp., Cochrane Dist.), located 38 miles south of Kapuskasing was sampled for walleye. Analysis for mercury showed 15 walleye to average 0.88 ppm. Size specific consumption guidelines indicate that walleye up to 10 inches are suitable for unrestricted consumption; over that length and up to 26 inches they are suitable for occasional meals.

Saganash Lake (Fenton Twp., Cochrane Dist.), located 26 miles south of Kapuskasing, was sampled for walleye. Analysis for mercury showed 15 walleye to average 0.31 ppm. Size-specific consumption guidelines indicate that walleye up to 14 inches in length are suitable for unrestricted consumption; over that length they are suitable for occasional meals.

McLeister Lake (Cochrane Dist.) located 45 miles northwest of Kapuskasing, was sampled for walleye. Analysis for mercury showed 15 walleye to average 0.34 ppm. Size-specific consumption guidelines indicate walleye up to 18 inches in length are suitable for unrestricted consumption. From 18 to 22 inches in length they are suitable for occasional meals.

Wawagoshe Lake (Ossian Twp., Timiskaming Dist.), located 20 miles east of Kirkland Lake, was sampled for northern pike, walleye, and smallmouth bass. Analysis for mercury showed 14 northern pike to average 0.39 ppm, 11 walleye to average 0.31 ppm, and 7 smallmouth bass to average 0.41 ppm. Size-specific consumption guidelines indicate that northern pike up to 26 inches in length are suitable for unrestricted consumption; over that length they are suitable for occasional meals. Walleye up to 22 inches are suitable for unrestricted consumption. Smallmouth bass up to 14 inches in length are suitable for unrestricted consumption; over that length they are suitable for occasional meals.

Misema Lake (Arnold Twp., Timiskaming Dist.), located 12 miles east of Kirkland Lake was sampled for walleye and smallmouth bass. Analysis for mercury indicate that six walleye averaged 0.68 ppm and three smallmouth bass averaged 0.30 ppm. Size-specific consumption guidelines for walleye indicate that walleye up to 14 inches are suitable for unrestricted consumption. Those 14 to 18 inches in length are suitable for occasional meals; over 18 inches in length they should not be consumed. Too few smallmouth bass were collected to determine the size-specific consumption guidelines; however, smallmouth bass up to 14 inches in length were suitable for unrestricted consumption.

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NORTHWESTERN ONTARIO

Windigokan Lake (Thunder Bay Dist.), located about 45 miles west of Geraldton, was sampled for northern pike. Twelve fish had an average mercury content of 0.47 ppm. Pike up to 22 inches in length are suitable for unrestricted consumption. Pike larger than 22 inches should be eaten on an occasional meal basis.

Elizabeth Lake (Thunder Bay Dist.), located 17 miles northwest of Nipigon, was sampled for northern pike. Ten fish had an average mercury content of 0.37 ppm. Pike up to 22 inches in length are suitable for unrestricted consumption. Fish longer than 22 inches should be eaten on an occasional meal basis.

Oskawe Lake (Thunder Bay Dist.), located about 24 miles north of Nipigon, was sampled for northern pike. Forty-one fish had an average mercury content of 0.59 ppm. Pike up to 18 inches in length are suitable for unrestricted consumption. Pike longer than 18 inches should be limited to occasional consumption.

Mattice Lake (Thunder Bay Dist.), located about 120 miles north of Thunder Bay, was sampled for northern pike. Twenty-five fish had an average mercury content of 0.40 ppm. Pike up to 22 inches in length are suitable for unrestricted consumption. Pike longer than 22 inches should be limited to occasional consumption.

Kagianagami Lake (Cochrane Dist.), located 100 miles northwest of Geraldton, was sampled for walleye and northern pike. Thirty-six walleye had an average mercury content of 0.54 ppm. Walleye up to 18 inches in length are suitable for unrestricted consumption. Walleye longer than 18 inches should be restricted to occasional consumption. Twenty-five northern pike had an average mercury content of 0.34 ppm. Fish up to 26 inches in length are suitable for unrestricted consumption. Pike longer than 26 inches should be limited to occasional meals.

Max Lake (Thunder Bay Dist.), located 43 miles north of Thunder Bay, was sampled for northern pike and white sucker. Fourteen pike had an average mercury content of 0.45 ppm. Fish up to 22 inches in length are suitable for unrestricted consumption. Pike longer than 22 inches should be eaten on an occasional meal basis only. Six white sucker had an average mercury content of 0.08 ppm. White sucker of all sizes are suitable for unrestricted consumption.

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Pakashkan Lake (Thunder Bay Dist.), located 60 miles east of Ignace, was sampled for northern pike, walleye, yellow perch, and white fish. Fifteen northern pike had an average mercury content of 0.27 ppm. Fish up to 30 inches in length are suitable for unrestricted consumption. Northern pike longer than 30 inches should be consumed on an occasional meal basis. Fifteen walleye averaged 0.22 ppm mercury. Based on this sampling, all walleye from Pakashkan Lake are suitable for unrestricted consumption. Fifteen yellow perch averaged 0.05 ppm mercury and six whitefish averaged 0.09 ppm mercury. Both of these species appear to be suitable for unrestricted consumption.

Wawang Lake (Thunder Bay Dist.), located about 50 miles east of Ignace, was sampled for northern pike, walleye and white sucker. Sixteen northern pike had an average mercury content of 0.31 ppm. Pike up to 30 inches in length are suitable for unrestricted consumption. Fish longer than 30 inches should be limited to occasional meals. Thirteen walleye had an average mercury content of 0.19 ppm. All walleye from Wawang Lake are suitable for unrestricted consumption. Six white sucker had an average mercury content of 0.10 ppm. All sucker are suitable for unrestricted consumption.

Eaglehead Lake (Thunder Bay Dist.), located about 45 miles north of Thunder Bay was sampled for northern pike. Seventeen fish had an average mercury content of 0.36 ppm. Pike up to 22 inches in length are suitable for unrestricted consumption. Pike longer than 22 inches should be eaten on an occasional meal basis only.

Mawn Lake (Thunder Bay Dist.), located about 50 miles north of Thunder Bay, was sampled for whitefish and yellow perch. Six whitefish had an average mercury content of 0.15 ppm. Based on this sampling, all whitefish from Mawn Lake are suitable for unrestricted consumption. Twenty yellow perch had an average mercury content of 0.35 ppm. Perch up to 10 inches in length are suitable for unrestricted consumption. Perch longer than 10 inches should be consumed on an occasional meal basis.

Decourcey Lake (Thunder Bay Dist.), located about 40 miles north of Thunder Bay, was sampled for walleye and whitefish. Seventeen walleye had an average mercury content of 0.36 ppm. All walleye are suitable for unrestricted consumption. Six whitefish had an average mercury content of 0.11 ppm. All whitefish are suitable for unrestricted consumption.

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Sutton Lake (Kenora Dist.), located about 70 miles south of Winisk, was sampled for lake trout and northern pike. Fifteen lake trout had an average mercury content of 1.0 ppm. Lake trout up to 14 inches in length are suitable for unrestricted consumption. Fish from 14 to 26 inches should be limited to occasional consumption. Lake trout longer than 26 inches should not be consumed. Fifteen pike had an average mercury content of 0.62 ppm. Size-specific consumption guidelines could not be developed for this pike sample, but a review of the data indicates that fish over about 25 inches in length should be eaten on an occasional meal basis only.

Opinnagau River (Kenora Dist.), draining to James Bay about 150 miles northwest of Fort Albany, was sampled for northern pike and whitefish. Sixteen northern pike had an average mercury content of 0.42 ppm. Pike up to 30 inches in length are suitable for unrestricted consumption. Fish longer than 30 inches should be limited to occasional meals. Thirteen whitefish had an average mercury content of 0.07 ppm. All whitefish are suitable for unrestricted consumption.

Culverson Lake (Kenora Dist.), located about 100 miles north of Red Lake, was sampled for walleye. Ten fish had an average mercury content of 0.96 ppm. Walleye up to 18 inches in length should be limited to occasional meals. Walleye over 18 inches in length should not be consumed.

Black Birch Lake (Kenora Dist.), located about 110 miles northwest of Red Lake, was sampled for walleye. Ten fish had an average mercury content of 0.85 ppm. Walleye from 10 to 18 inches in length are suitable for occasional meals. Fish larger than 18 inches should not be eaten.

Bigshell Lake (Kenora Dist.), located 36 miles northwest of Red Lake, was sampled for northern pike. Six pike had an average mercury content of 0.68 ppm. Pike up to 22 inches in length are suitable for unrestricted consumption. Fish from 22 to 30 inches in length should be limited to occasional meals. Pike longer than 30 inches should not be eaten.

Madden Lake (Kenora Dist.), located about 85 miles northeast of Red Lake, was sampled for walleye and northern pike. Ten walleye had an average mercury content of 1.03 ppm. Walleye shorter than 12 inches in length are suitable for unrestricted consumption. Fish from 12 to 22 inches should be eaten on an occasional meal basis only and walleye longer than 22 inches should not be eaten. Nine pike had an average mercury content of 1.17 ppm. Pike up to 22 inches in length should be limited to occasional consumption. Fish longer than 22 inches should not be eaten.

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Tutu Lake (Kenora Dist.), located about 100 miles northeast of Red Lake, was sampled for northern pike and walleye. Ten northern pike had an average mercury content of 0.61 ppm. Size-specific consumption guidelines could not be developed, but a review of the data indicates that pike longer than about 20 inches should be restricted to occasional meals. Ten walleye had an average mercury content of 0.78 ppm. Again, size-specific consumption guidelines could not be developed but the data indicate that walleye shorter than about 20 inches should be limited to occasional meals and walleye longer than 20 inches should not be eaten.

Kishikas Lake (Kenora Dist.), located about 140 miles north of Sioux Lookout, was sampled for walleye and pike. Sixteen walleye had an average mercury content of 0.48 ppm. Size-specific consumption guidelines could not be developed but a review of data indicates that walleye over 12 inches in length from Kishikas Lake should be consumed on an occasional meal basis only. Sixteen pike had an average mercury content of 0.35 ppm. Size-specific consumption guidelines could not be developed, but a review of data indicates that pike over about 25 inches in length should be limited to occasional meals.

Matchett Lake (Kenora Dist.), located about 90 miles northwest of Red Lake, was sampled for walleye and northern pike. Ten walleye had an average mercury level of 0.69 ppm. Walleye up to 12 inches in length are suitable for unrestricted consumption. Larger walleye should be eaten on an occasional meal basis. Five northern pike had an average mercury content of 0.73 ppm. Pike up to 14 inches in length are suitable for unrestricted consumption. Fish from 14 to 30 inches should be limited to occasional consumption and pike longer than 30 inches should not be eaten.

Margot Lake (Kenora Dist.), located about 110 miles northeast of Red Lake, was sampled for northern pike and walleye. Ten pike had an average mercury content of 0.61 ppm. Fish up to 22 inches in length are suitable for unrestricted consumption. Pike longer than 22 inches should be limited to occasional meals. Ten walleye had an average mercury content of 0.45 ppm. Although size-specific consumption guidelines could not be developed for this collection of walleye, a review of the data indicates that walleye longer than about 18 inches should be limited to occasional meals.

Barton Lake (Kenora Dist.), located about 70 miles north of Red Lake, was sampled for walleye and northern pike. Ten pike had an average mercury content of 0.27 ppm. Fish up to 26 inches in length are suitable for unrestricted consumption. Pike longer than 26 inches should be limited to occasional meals. Ten walleye had an average mercury content of 0.52 ppm. Walleye up to 14 inches in length are suitable for unrestricted consumption. Fish from 14 to 18 inches are suitable for occasional consumption and walleye over 18 inches in length should not be eaten.

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Petersen Lake (Heyson Twp., Kenora Dist.), located about two miles south of Red Lake, was sampled for northern pike. Seven fish had an average mercury content of 0.62 ppm. Pike up to 18 inches in length are suitable for unrestricted consumption; from 18 to 26 inches in length they should be limited to occasional meals; those longer than 26 inches should not be eaten.

Setting Net Lake (Kenora Dist.), located about 130 miles north of Red Lake, was sampled for walleye. Ten fish had an average mercury content of 0.54 ppm. Walleye up to 14 inches in length are suitable for unrestricted consumption. Fish longer than 14 inches should be limited to occasional meals.

Keg Lake (Byshe Twp., Kenora Dist.), located about six miles east of Red Lake, was sampled for walleye. Twenty-one fish had an average mercury content of 0.26 ppm. Walleye up to 22 inches in length are suitable for unrestricted consumption. Fish longer than 22 inches should be limited to occasional meals.

Red Lake (Dome Twp., Kenora Dist.), was sampled for walleye. Eighteen fish had an average mercury content of 0.36 ppm. Fish up to 18 inches in length are suitable for unrestricted consumption. Walleye longer than 18 inches should be limited to occasional meals.

Winisk River (Kenora Dist.), flows to the southwest shore of Hudson Bay. Six northern pike had an average mercury content of 0.20 ppm. Thirteen whitefish had an average mercury content of 0.10 ppm. Nine long-nosed suckers had an average mercury content of 0.13 ppm and six white sucker had an average mercury content of 0.15 ppm. Size-specific consumption guidelines could not be carried out for any of the four species, but a review of the data indicates that these species caught from the Winisk River are suitable for unrestricted consumption.

Mather Lake (Kenora Dist.), located 80 miles northwest of Kenora, was sampled for northern pike. Eleven pike had an average mercury content of 0.66 ppm. Fish up to 18 inches in length are suitable for unrestricted consumption. Pike longer than 18 inches should be eaten on an occasional meal basis.

Confederation Lake (Kenora Dist.), located 50 miles east of Red Lake, was sampled for lake trout. Seventeen trout had an average mercury content of 0.46 ppm. Lake trout up to 14 inches in length are suitable for unrestricted consumption. Lake trout larger than 14 inches should be eaten on an occasional meal basis only.

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Donaldson Lake (Kenora Dist.), located 80 miles northwest of Red Lake, was sampled for walleye. Ten walleye had an average mercury content of 1.10 ppm. Walleye up to 18 inches in length should be limited to occasional meals. Walleye longer than 18 inches should not be eaten.

Trident Lake (Kenora Dist.), located 70 miles northwest of Kenora, was sampled for northern pike. Twelve pike had an average mercury content of 0.56 ppm. Pike up to 22 inches in length are suitable for unrestricted consumption. Fish from 22 to 30 inches should be eaten on an occasional meal basis only and pike longer than 30 inches should not be consumed.

Rheaume Lake (Kenora Dist.), located 105 miles northwest of Red Lake was sampled for walleye and northern pike. Ten walleye had an average mercury content of 0.67 ppm. Size-specific consumption guidelines could not be developed, but a review of data indicates that walleye larger than about 15 inches should be eaten on an occasional meal basis only. Seven pike had an average mercury content of 0.37 ppm. Size-specific consumption guidelines could not be prepared, but a review of data indicates that pike longer than about 20 inches should be eaten on an occasional meal basis only.

Rainy River near the Towns of Rainy River-Baudette (Rainy River Dist.), was sampled for walleye. Twenty-one fish had an average mercury content of 0.22 ppm. Based on this sampling, all walleye are suitable for unrestricted consumption.

RECOMMENDATIONS FOR FISH CONSUMPTION

The following guidelines reflect the maximum recommended consumption of fish according to contaminant content and duration of fishing vacation - one-week, two-week, three-week, and over three weeks. Fishing holidays should be spaced at least six months apart if the maximum recommended for B or C fish has been consumed.

Children under 15 and women of child-bearing age should eat only A category fish.

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FOR SHORT-TERM CONSUMPTION

Category	One Week	Two Weeks	Three Weeks
A	No restrictions	No restrictions	No restrictions
B	10 meals per week 2.3 kg/week (5.1 lb/week)	5 meals per week 1.3 kg/week (2.8 lb/week)	4 meals per week 0.95 kg/week (2.1 lb/week)
C	7 meals per week 1.54 kg/week (3.54 lb/week)	4 meals per week 0.86 kg/week (1.9 lb/week)	3 meals per week 0.63 kg/week (1.4 lb/week)
D	No consumption	No Consumption	No Consumption
E	1-2 meals/week*	1-2 meals/week*	1-2 meals/week*

NOTES

Anglers should NOT take home fish for freezing and later consumption unless it is from category A.

*Fish containing more than the maximum level of PCB, Mirex, and DDT indicated by the federal guidelines should be eaten only occasionally. For the purpose of short-term consumption this means one or two meals per week.

A meal is approximately equivalent to 230 grams (8 oz.).

FOR LONG-TERM CONSUMPTION**

Fish Category	Meals
A	No restrictions*
B	0.226 kg/week 0.5 lb/week
C	0.136 kg/week 0.3 lb/week
D	None
E	1-2 meals per month

*No restrictions are placed on consumption of fish in category A according to federal guidelines.

**For the purpose of this recommendation, those who fish on and off for part of the year exceeding three weeks are considered long-term consumers.

Pamphlets entitled "Guide to Eating Ontario Sportfish", outlining the facts about fish contamination and the resultant health implications are now available from local offices of the ministries of the Environment and Natural Resources. For information concerning specific water bodies and fish species these local offices should be contacted.

The Ontario Government has sampled fish from many lakes throughout the Province. As further information on additional water bodies becomes available listings will be made through local media, and data can be obtained from the local offices of the ministries of Environment and Natural Resources.

FOR FURTHER INFORMATION: J. Ralston (416) 965-6954
A. Johnson (416) 965-6954
J. W. Steele (416) 965-7117

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Lake	Species	Size Range in Fish								
		Under 6	6-8	8-10	10-12	12-14	14-18	18-22	22-26	26-30	Over 30
Central Ontario											
Balsam Lake	Walleye	-	-	A	A	A	A	A	B	-	-
	Smallmouth Bass	-	A	A	A	A	A	B	-	-	-
	Yellow Perch	A	A	A	A	-	-	-	-	-	-
Sturgeon Lake	Smallmouth Bass	-	A	A	A	A	A	-	-	-	-
	Walleye	-	-	A	A	A	A	A	A	A	A
Dummer (White) Lake	Walleye	-	-	A	A	A	A	A	-	-	-
Crane Lake	Largemouth Bass	-	-	A	A	A	B	B	-	-	-
Lake Simcoe	Largemouth Bass	-	A	A	A	A	A	B	-	-	-
	Smallmouth Bass	-	A	A	A	A	A	B	-	-	-
	Yellow Perch	A	A	A	A	A	-	-	-	-	-
	Northern Pike	-	-	-	A	A	A	A	A	A	A
	Walleye	-	-	-	A	A	A	B	B	C	D
	Lake Trout	-	-	-	-	A	A	A	A	A	B
	White Sucker	-	-	-	-	A	A	A	-	-	-
	Whitefish	-	-	-	A	A	A	A	-	-	-
	Rock Bass	-	A	A	A	A	-	-	-	-	-
	Ling	-	A	A	A	A	-	-	-	-	-
Gloucester Pool	Smallmouth Bass	-	-	A	A	A	B	C	-	-	-
	Northern Pike	-	-	-	A	A	A	A	A	B	B
Lake St. John	Northern Pike	-	-	-	A	A	A	B	B	B	C
	Walleye	-	-	-	B	B	B	C	C	D	-
Little Lake	Largemouth Bass	-	-	A	A	A	B	C	-	-	-

Lake	Species	Size Range in Fish								
		Under 6	6-8	8-10	10-12	12-14	14-18	18-22	22-26	26-30	Over 30
Southeastern Ontario											
Fortune Lake	Largemouth Bass	-	A	A	A	A	A	-	-	-	-
Wolf Lake	Largemouth Bass	-	-	A	A	B	C	D	-	-	-
Northeastern Ontario											
Schewabik Lake	Northern Pike	-	-	-	-	-	A	B	C	D	-
	Walleye	-	-	A	A	A	B	C	D	-	-
Horwood Lake	Walleye	-	-	A	A	B	B	C	-	-	-
	Northern Pike	-	-	-	A	A	A	B	B	C	-
Ivanhoe Lake	Northern Pike	-	-	-	-	A	A	B	B	C	C
	Walleye	-	A	A	A	A	B	B	B	B	-
Weshaygo Lake	Northern Pike	-	-	-	-	A	A	B	B	B	-
	White Sucker	-	A	A	A	A	A	A	-	-	-
Five Mile Lake	Walleye	-	-	A	A	A	A	A	A	-	-
Tony Lake	Northern Pike	-	-	-	A	A	A	A	A	B	-
	White Sucker	-	-	-	-	A	A	A	-	-	-
Oliver Lake	Smallmouth Bass	-	A	A	A	A	B	-	-	-	-
Zadi Lake	Walleye	-	-	A	A	A	B	C	D	D	-
	Northern Pike	-	-	-	-	-	A	B	B	B	-
Kecil Lake	Northern Pike	-	-	-	-	-	A	B	B	C	D

Lake	Species	Size Range in Fish									
		Under 6	6-8	8-10	10-12	12-14	14-18	18-22	22-26	26-30	Over 30
Northeastern Ontario (cont'd)											
Lang Lake	Northern Pike	-	-	-	-	-	-	-A	B	C	D
McCraney Lake	Lake Trout	-	A	A	A	A	B	B	-	-	-
Caribou Lake	Lake Trout	-	-	-	-	-	A	B	C	D	-
	Smallmouth Bass	A	A	A	A	B	B	C	-	-	-
	Walleye	-	-	-	-	-	B	D	D	-	-
Keenoa Lake	Northern Pike	-	-	-	A	A	A	A	B	-	-
	Walleye	-	A	A	A	A	A	B	B	-	-
Griffin Lake	Walleye	-	-	A	B	B	B	C	C	-	-
Saganash Lake	Walleye	-	-	A	A	A	B	B	-	-	-
McLeister Lake	Walleye	-	-	-	-	A	A	B	-	-	-
Wawagoshe Lake	Northern Pike	-	-	-	-	-	A	A	A	B	B
	Walleye	-	-	-	A	A	A	A	-	-	-
	Smallmouth Bass	-	-	-	A	A	B	-	-	-	-
Misema Lake	Walleye	-	-	-	A	A	B	D	D	-	-

ENVIRONMENT ONTARIO BULLETIN

ENVIRONMENTAL HEALTH BULLETIN

DECEMBER 1977

Environment Ontario issues bulletins monthly to provide Ontario residents with up-to-date information on any environmental conditions which may pose a hazard to health.

This bulletin supplements information provided through the Ontario Government Fish Contaminants Information Program. It will be compiled with earlier environmental health bulletins and incorporated in an updated information package in Spring 1978.

Information now available includes: The free booklet, "Guide to Eating Ontario Sportfish", individual lake cards listing contaminant levels for each species in 167 locations sampled up to the end of 1976, and the book "Health Implications of Contaminants in Fish", available for $5 from the Ontario Government Bookstore.

The "Guide to Eating Ontario Sportfish", is available from local offices of the Ministries of Environment and Natural Resources. These offices can also supply detailed information on specific water bodies and fish species.

When dealing with mercury contamination, fish are categorized A, B, C, and D according to the level of mercury contamination.

The level of mercury in fish considered acceptable for unrestricted consumption is 0.5 parts per million or lower (category A). Fish containing between 0.5 and 1.5 ppm mercury (categories B & C) are suitable for occasional consumption (i.e. a few meals per month). Fish containing more than 1.5 ppm mercury (category D) should not be consumed. However, women of child-bearing age and children under 15 years of age should only consume fish from category A. Consumption guidelines beginning on page 11 of this bulletin reflect the maximum recommended consumption of fish according to contaminant content and duration of fishing vacation one-week, two-week, and over three weeks. Fishing holidays should be spaced at least six months apart if the maximum recommended for B or C fish will be consumed.

Since mercury content increases in fish with increasing size and age, analysis of specific sizes of fish from a particular lake can be used to determine the relationship between fish length and mercury level. Environment Ontario is now presenting fish contaminant data in a form which will allow the angler, simply by measuring the fish caught, to determine the safe consumption level.

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Ontario
Ministry of the Environment

Hon. George A. Kerr, Q.C.
Minister

K. H. Sharpe
Deputy Minister

When dealing with organic pollutants, fish are categorized "E" if the average level of trace organic contaminants such as PCB, Mirex, DDT, or other pesticides is above federal consumption guidelines. Federal guidelines for PCBs, Mirex, and DDT are 2.0 ppm, .1 ppm and 5.0 ppm respectively. Fish falling into the category "E" should be limited to one or two meals per week for those on a short (one to three week) fishing trip. Those fishermen who eat the fish they catch throughout the fishing season should limit their consumption of "E" category fish to one or two meals per month.

ENVIRONMENTAL HEALTH GUIDELINES FOR FISH FROM 63 ONTARIO WATERCOURSES -- 1977 SURVEY PROGRAM

CENTRAL ONTARIO

Lake Scugog (Ontario Co.), located 15 miles southwest of Lindsay, was sampled for yellow perch and walleye. Analysis for mercury showed that 20 yellow perch averaged 0.14 ppm and 20 walleye averaged 0.10 ppm. Both yellow perch and walleye are suitable for unrestricted consumption.

Pigeon Lake (Victoria Co.), 12 miles east of Lindsay, was sampled for yellow perch, walleye, and largemouth bass. Analysis for mercury showed 20 yellow perch to average 0.07 ppm, 21 walleye to average 0.28 ppm, and 20 largemouth bass to average 0.15 ppm. Size-specific consumption guidelines indicate that walleye up to 22 inches are suitable for unrestricted consumption; fish from 22 to 30 inches are suitable for occasional meals. Largemouth bass and yellow perch are suitable for unrestricted consumption.

Rice Lake (Peterborough Co.), located 12 miles south of the City of Peterborough, was sampled for walleye, yellow perch, and largemouth bass. Analysis for mercury showed that 20 walleye averaged 0.42 ppm, 20 yellow perch averaged 0.06 ppm, and 20 largemouth bass averaged 0.14 ppm. Size-specific consumption guidelines indicate walleye up to 22 inches are sutiable for unrestricted consumption; fish over 22 inches in length are suitable for occasional consumption. Yellow perch and largemouth bass are suitable for unrestricted consumption.

Koshlong Lake (Glamorgan Twp., Haliburton Co.), located about ten miles east of Minden, was sampled during 1977 for smallmouth bass. Twelve fish contained an average mercury level of 0.91 ppm. Smallmouth bass up to 12 inches are suitable for unrestricted consumption. Fish from 12 to 18 inches should be eaten on an occasional meal basis. Smallmouth bass larger than 18 inches should not be eaten. Lake trout were collected from Koshlong Lake in 1976 and reported on in an earlier Environmental Health Bulletin. These lake trout averaged 0.99 ppm mercury with fish up to 18 inches suitable for unrestricted consumption. Lake trout from 18 to 26 inches should be consumed on an occasional meal basis and fish over 26 inches should not be consumed.

Lake Vernon (Dist. Municipality of Muskoka), near Huntsville was sampled for lake trout and smallmouth bass. Analyses for mercury in these fish were previously made available to the public. Analysis for trace organic contaminants has now been completed on lake trout from Lake Vernon. The results indicate no change in the advised levels of consumption of these fish. Thirty lake trout averaged 0.83 ppm PCB. No Mirex was detected in these fish.

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Hunter's Bay (Dist. Municipality of Muskoka), part of Lake Vernon near Huntsville was sampled for smallmouth bass. Analyses for mercury in these fish were previously made available to the public. Analysis for trace organic contaminants has now been completed; these results indicate no change in the advised level of consumption for smallmouth bass. Twenty smallmouth bass analyzed had average levels of 0.08 ppm PCB.

Fairy Lake (Dist. Municipality of Muskoka), near Huntsville was sampled for lake trout and smallmouth bass. Analyses for mercury were previously made available to the public. Analysis for trace organic contaminants has now been completed. No changes in the advised levels of consumption have been made. Twenty-eight lake trout averaged 2.9 ppm PCB. Nineteen smallmouth bass averaged 0.43 ppm PCB. No traces of Mirex were detected.

Mary Lake (Dist. Municipality of Muskoka), the North Muskoka River south of Huntsville was sampled for smelt, lake trout, and smallmouth bass. Analyses for mercury in these species were previously made available to the public. Analysis of the lake trout for trace organic contaminants has been completed; these results indicate no change in the advised levels of consumption for this species. Thirty lake trout contained an average of 1.5 ppm PCB.

Lake Joseph (Dist. Municipality of Muskoka). Analyses of lake trout, smelt, white fish, and smallmouth bass from Lake Joseph for mercury content were made available previously. Results of analysis for trace organic contaminants indicate no change in the advised levels of consumption for these species. Nine lake trout averaged 0.81 ppm PCB while 11 whitefish averaged 0.65 ppm PCB.

Lake Muskoka (Dist. Municipality of Muskoka). Analyses of lake trout and rock bass for mercury content were previously made availabe to the public. Analysis of lake trout and rock bass for trace organic contaminants has now been completed; the results indicate no change in the advised levels of consumption for these species. Twenty-four lake trout contain an average of 2.94 ppm PCB and 14.5 ppm DDT. Six rock bass contained no detectable PCB.

Lake of Bays (Dist. Municipality of Muskoka), located ten miles southeast of Huntsville was sampled for lake trout. Analyses for mercury content in these fish have been previously reported. Analysis for trace organic contaminants has now been completed; results indicate no change in the size-specific consumption guidelines, previously issued, which suggested that lake trout under 30 inches in length were suitable for occasional consumption and that those over 30 inches in length should not be consumed. Twenty-two lake trout analyzed averaged 2.29 ppm PCB and 4.1 ppm DDT.

Buchanan Lake (Dist. Municipality of Muskoka), about eight miles southeast of Huntsville was sampled for brook trout. Analysis for trace organic contaminants showed 20 brook trout to average 0.02 ppm PCB. Brook trout from this lake are suitable for unrestricted consumption.

SOUTHEASTERN ONTARIO

Dickey Lake (Lake Twp., Hastings Co.), located about 22 miles north of Marmora, was sampled for lake trout and smallmouth bass. Nine lake trout had an average mercury content of 0.32 ppm. Lake trout up to 18 inches are suitable for unrestricted consumption but larger fish should be consumed on an occasional meal basis only. Ten smallmouth bass had an average mercury content of 0.37 ppm. Fish larger than ten inches should be consumed on an occasional meal basis.

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Skootamatta Lake (Anglessa Twp., Lennox and Addington Co.), located about 16 miles northwest of Kaladar, was sampled for walleye (pickerel). Twenty-nine fish had an average mercury level of 0.89 ppm. Walleye up to 14 inches are suitable for unrestricted consumption. Fish from 14 to 26 inches should be eaten on an occasional meal basis. Walleye larger than 26 inches should not be eaten.

Eagle Lake (Olden Twp., Frontenac Co.), located about 30 miles northwest of Kingston was sampled for largemouth and smallmouth bass. Seven largemouth bass had an average mercury content of 0.17 ppm. Size-specific analysis indicates that largemouth bass up to 18 inches in length are suitable for unrestricted consumption. Although larger fish were not collected from Eagle Lake, samples from other lakes in the area indicate that the bigger largemouth bass are likely to be suitable for consumption on an occasional meal basis. Nine smallmouth bass had an average mercury content of 0.22 ppm. Fish up to 14 inches are suitable for unrestricted consumption. Smallmouth bass over 14 inches should be eaten on occasional meal basis only.

Mackie Lake (Miller Twp., Frontenac Co.), located about 30 miles northeast of Kaladar, was sampled for smallmouth bass. Fourteen fish had an average mercury content of 0.32 ppm. Smallmouth bass up to 14 inches in length are suitable for unrestricted consumption. Larger fish should be eaten on an occasional meal basis.

Mazinaw Lake (Abinger Twp., Lennox and Addington Co.), located 18 miles north of Kaladar was sampled for smallmouth bass, walleye, and lake trout. Analysis for mercury in these fish showed that 12 smallmouth bass averaged 0.78 ppm, 21 walleye averaged 1.28 ppm, and 21 lake trout averaged 1.28 ppm. Size-specific guidelines are available for the bass and walleye. Smallmouth bass up to 12 inches are suitable for unrestricted consumption; from 12 to 18 inches they are suitable for occasional consumption; smallmouth bass over 18 inches in length should not be consumed. Walleye up to 14 inches are suitable for unrestricted consumption; from 14 to 18 inches they are suitable for occasional meals; fish over that length should not be consumed. Lake trout up to 22 inches are suitable for occasional consumption. Larger trout should not be eaten.

Bark Lake (Jones Twp., Renfrew Co.), located eight miles west of the Town of Barry's Bay, was sampled for lake trout. Analyses show that ten lake trout in the sample contained an average of 1.37 ppm mercury. Fish up to 22 inches are suitable for occasional consumption; over that length they should not be eaten.

Mississippi Lake (Drummond Twp., Lanark Co.), was sampled for walleye, largemouth bass, smallmouth bass, northern pike, and yellow perch. Mercury analyses and size-specific consumption guidelines are now available for these species. Numbers of fish and average levels of mercury were:

Number of Fish	Species	Average Mercury Level (ppm)
19	Walleye	0.66
19	Largemouth Bass	0.45
11	Smallmouth Bass	0.47
20	Northern Pike	0.56
5	Yellow Perch	0.33

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Walleye up to 14 inches are suitable for unrestricted consumption, above that size they are suitable for occasional meals. Largemouth and smallmouth bass up to 12 inches are suitable for unrestricted consumption, above that size they are suitable for occasional meals. Northern pike up to 18 inches are suitable for unrestricted consumption, above that size they are suitable for occasional consumption. Yellow perch up to ten inches are suitable for unrestricted consumption, above that length they are suitable for occasional consumption.

Black Lake (North Burgess Twp., Lanark Co.), was sampled for smallmouth bass, northern pike, largemouth bass, and walleye. Analyses for mercury content of these fish are now available; however, size-specific projections are only available for smallmouth bass because of small and unrepresentative samples of the other three species. Fifteen smallmouth bass averaged 0.51 ppm mercury; fish up to ten inches are suitable for unrestricted consumption; from 10 to 18 inches they are suitable for occasional consumption; over that length they should not be consumed. Thirteen northern pike averaged 0.30 ppm mercury; four largemouth bass averaged 0.63 ppm and two walleye averaged 0.25 ppm.

Otty Lake (North Burgess Twp., Lanark Co.), was sampled for northern pike, smallmouth bass, largemouth bass, and walleye. Analyses for mercury content of these fish are now available; size-specific projections are available only for northern pike and smallmouth bass, since two few largemouth bass and walleye were collected. Fifteen northern pike averaged 0.67 ppm mercury, 12 smallmouth bass averaged 0.70 ppm, one largemouth bass contained 0.58 ppm while two walleye averaged 0.93 ppm mercury. Northern pike up to 18 inches are suitable for unrestricted consumption, from 18 to 30 inches they are suitable for occasional meals and when over 30 inches in length pike should not be eaten. Smallmouth bass up to 12 inches in length were suitable for unrestricted consumption; from 12 to 18 inches they were suitable for occasional meals; and when over 18 inches in length they should not be eaten.

Calagobie Lake (Blithfield Twp., Renfrew Co.), was sampled for walleye, northern pike, and smallmouth bass. Analyses for mercury in these fish are now available: 20 walleye averaged 0.64 ppm, seven northern pike averaged 0.49 ppm, and 27 smallmouth bass averaged 0.53 ppm. Size-specific classification indicates that walleye up to 14 inches are suitable for unrestricted consumption; from 14 to 26 inches in length they are suitable for occasional meals. Northern pike up to 18 inches are suitable for unrestricted consumption. From 18 to 26 inches they are suitable for occasional meals. Smallmouth bass up to ten inches are suitable for unrestricted consumption, while fish from ten to 18 inches in length are suitable for occasional meals only.

Kaminskeg Lake (Bangor Twp., Renfrew Co.), was sampled for lake trout. Analysis for mercury in these fish is now complete. Ten lake trout averaged 1.68 ppm mercury. Trout up to 18 inches are suitable for unrestricted consumption; fish from 18 to 26 inches are suitable for occasional consumption; when over 26 inches in length lake trout should not be eaten.

WEST-CENTRAL ONTARIO

Eastern Basin, Lake Erie, samples of yellow perch, coho salmon, walleye, smallmouth bass, and northern pike from the eastern basin of Lake Erie have been analyzed for mercury. Number of fish analyzed, species, and average mercury levels are as follows:

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Number of Fish	Species	Average Mercury Level (ppm)
75	Yellow Perch	0.08
9	Coho Salmon	0.10
19	Walleye	0.22
35	Smallmouth Bass	0.23
30	Northern Pike	0.37

Size-specific consumption guidelines based on mercury content are available for all species except coho salmon. Yellow perch are suitable for unrestricted consumption. Walleye up to 26 inches are suitable for unrestrictec consumption; over that length they are suitable for occasional meals. Smallmouth bass up to 14 inches are suitable for unrestricted consumption; fish over that length are suitable for occasional meals. Northern pike up to 26 inches are suitable for unrestricted consumption; fish over that length are suitable for occasional consumption. Coho salmon are suitable for unrestricted consumption.

SOUTHWESTERN ONTARIO

Lake Huron - Point Edward Area. Samples of splake, brown trout, and smallmouth bass from southern Lake Huron in the Point Edward area were analyzed for organic trace contaminants. Twenty splake averaged 2.6 ppm PCB and are therefore suitable only for occasional consumption. Fourteen brown trout averaged 1.96 ppm PCB. While under the 2.0 ppm federal guidelines on average, it should be noted that this sample of brown trout averaged only 17.2 inches in length. Larger brown trout would likely contain more than 2.0 ppm PCB and would therefore be suitable only for occasional meals.

Georgian Bay - Cape Rich Area. Samples of splake and rainbow trout from the Cape Rich area of Georgian Bay were analyzed for organic trace contaminants. Thirty-two splake averaged 0.51 ppm PCB. Six rainbow trout averaged 0.25 ppm PCB. Both species were suitable for unrestricted consumption. An earlier sample of rainbow trout from the Nottawasaga River showed that fish of that species over 26 inches in length contained over 2.0 ppm PCB and should therefore only be consumed occasionally.

Lake Huron - Denny's Dam Area. Near the mouth of the Saugeen River at Southampton was sampled for chinook salmon. Analysis for organic trace contaminants showed that 11 chinook salmon averaged 6.1 ppm PCB. This level is above the federal guidelines of 2.0 ppm PCB and these fish should therefore be eaten on an occasional basis only. This advisory confirms the consumption guidelines published previously for this species.

Lake Huron - Chief's Point to Howdenvale, on the west side of the Bruce Peninsula about eight miles west of Wiarton, was sampled for brown trout and smallmouth bass. Analysis for trace organic contaminants showed that 12 brown trout averaged 2.1 ppm PCB and 11 smallmouth bass averaged 0.15 ppm PCB. Brown trout are therefore suitable only for occasional consumption, while smallmouth bass are suitable for unrestricted consumption.

NORTHEASTERN ONTARIO

Cedar Lake (Deacon and Lister Twp., Nipissing Dist.), is located in the northern part of Algonquin Park. Samples of lake trout, whitefish, and walleye were collected and analyzed for mercury. Ten lake trout contained an average of 0.82 ppm mercury; trout up to 14 inches are considered suitable for unrestricted consumption; fish from 14 to 26 inches are suitable for occasional consumption.

Trout over 26 inches in length should not be consumed. Thirty-one walleye averaged 0.70 ppm mercury; those up to 14 inches were suitable for unrestricted consumption. Fish from 14 to 22 inches are suitable for limited consumption and those over 22 inches in length should not be consumed. Fourteen whitefish sampled contained an average of 0.38 ppm mercury. The sample of whitefish was not adequate for size-specific classification due to the variability in the sample. The highest level of mercury in the whitefish tested was 0.67 ppm. Generally the whitefish, which ranged from 14 to 18 inches in length were suitable for unrestricted consumption. However, large whitefish from this lake will be in the occasional meal category.

Kioshkokwi Lake (Pentland Twp., Nipissing Dist.), located in Algonquin Park about 20 miles south of Mattawa, was sampled for lake trout. Ten trout had an average mercury level of 1.25 ppm. Lake trout up to 14 inches are suitable for unrestricted consumption. Fish from 14 to 22 inches in length should be eaten on an occasional meal basis and lake trout larger than 22 inches should not be eaten.

Wahwashkesh Lake (McKenzie Twp., Parry Sound Dist.), located about 30 miles north of Parry Sound, was sampled for smallmouth bass. Ten fish had an average mercury level of 0.65 ppm. Smallmouth bass from Wahwashkesh Lake are suitable for consumption on an occasional meal basis.

Cecebe Lake (Chapman Twp., Parry Sound Dist.), located about eight miles west of Burk's Falls, was sampled for walleye and smallmouth bass. Nineteen smallmouth bass had an average mercury content of 0.59 ppm. Fish up to 18 inches are suitable for occasional meals. Smallmouth bass larger than 18 inches should not be consumed. Thirty walleye were collected from Cecebe Lake and the findings were presented in an earlier bulletin. To review the earlier information, the walleye averaged 0.99 ppm mercury. Fish up to 22 inches are suitable for consumption on an occasional meal basis. Walleye larger than 22 inches should not be consumed.

Doe Lake (Ryerson Twp., Parry Sound Dist.), located about six miles south of Burk's Falls, was sampled for smallmouth bass, walleye and pike. Thirty-one smallmouth bass had an average mercury content of 0.52 ppm. Fish up to 12 inches are suitable for unrestricted consumption. Smallmouth bass from 12 to 18 inches should be eaten on an occasional meal basis and fish larger than 18 inches should not be consumed. Information on mercury in northern pike and walleye was contained in an earlier bulletin. To review, 28 northern pike averaged 0.57 ppm mercury; 35 walleye averaged 0.89 ppm mercury. Northern pike up to 18 inches in length are suitable for unrestricted consumption; above that size they are suitable for occasional consumption. Walleye up to 18 inches are suitable for occasional consumption, fish over that length should not be eaten.

Trout Lake (Paxton Twp., Nipissing Dist.), located 35 miles northeast of Huntsville, was sampled for brook trout. Analysis for trace organic contaminants indicates that 11 brook trout contain 0.02 ppm PCB. Brook trout from this lake are suitable for unrestricted consumption.

Trace contaminant analysis for the following lakes has shown no contamination of fish by PCB, Mirex, or a range of pesticides.

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Lamuir Lake, Bishop Twp., Nipissing Dist.
Kernick Lake, Armour Twp., Parry Sound Dist.
Howard Lake, Arnold Twp., Timiskaming Dist.
Kenogami Lake, Grenfell & Eby Twps., Timiskaming Dist.
Sesekinika Lake, Maisonville Twp., Timiskaming Dist.
Victoria Lake, Morrisette Twp., Timiskaming Dist.
Lake Nipissing, Nipissing Dist.
Lake Temagami, Nipissing Dist.
Lake Sasaginega, Coleman Twp., Timiskaming Dist.
Watabeag Lake, Nordica Twp., Timiskaming Dist.

Size-specific consumption guidelines related to mercury levels were released earlier for the above lakes and are summarized in the table appended to this bulletin.

NORTHWESTERN ONTARIO

Kenogamisis Lake (Ashmore & McKelvie Twp., Thunder Bay Dist.), located about four miles southwest of Geraldton, was sampled for walleye, yellow perch, and northern pike. Forty-five walleye had an average mercury content of 0.55 ppm. Walleye up to 14 inches are suitable for unrestricted consumption but fish larger than 14 inches should be limited to occasional consumption. Twenty yellow perch averaged 0.10 ppm mercury and all are suitable for unrestricted consumption. Fifty-six northern pike averaged 0.56 ppm mercury. Fish up to 18 inches are suitable for unrestricted consumption. Northern pike larger than 18 inches should be eaten on an occasional meal basis.

Guernsey Lake (Dist. of Kenora), located about 45 miles northeast of Red Lake, was sampled for northern pike and walleye. Nine northern pike averaged 0.94 ppm mercury. All pike from Guernsey Lake should be consumed on an occasional meal basis. Ten walleye had an average mercury content of 1.60 ppm. Walleye up to 18 inches should be consumed on an occasional meal basis. Larger walleye should not be eaten.

Pringle Lake (Dist. of Kenora), located about 40 miles northeast of Red Lake, was sampled for northern pike. Ten fish had an average mercury content of 0.63 ppm. Pike up to 18 inches are suitable for unrestricted consumption. Larger fish may be eaten on an occasional meal basis.

Wavell Lake (Dist. of Kenora), located about 60 miles northeast of Red Lake was sampled for walleye. Ten fish had an average mercury content of 1.06 ppm. Walleye under 14 inches are suitable for consumption on an occasional meal basis. Larger walleye should not be eaten.

Grist Lake (Dist. of Kenora), located about 85 miles north of Red Lake, was sampled for walleye. Ten fish had an average mercury content of 1.77 ppm. Walleye up to 12 inches are suitable for occasional meals but larger walleye should not be eaten.

Tupman Lake (Dist. of Rainy River), located about 25 miles northeast of Fort Frances, was sampled for walleye and northern pike. Ten walleye averaged 1.12 ppm mercury. Fish up to 22 inches are suitable for occasional meals but larger walleye should not be eaten. Seven northern pike averaged 0.79 ppm mercury. Pike from Tupman Lake should be consumed on an occasional meal basis only.

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Big Sawbill Lake (Dist. of Rainy River), located 30 miles northeast of Fort Frances, was sampled for northern pike. Analysis for mercury showed that 13 pike averaged 0.18 ppm. Northern pike from this lake can be considered suitable for unrestricted consumption.

Silcox Lake (Dist. of Kenora), located 55 miles northeast of the Town of Red Lake, was sampled for walleye and northern pike. Analysis for mercury content showed that ten walleye averaged 0.30 ppm and six northern pike averaged 0.23 ppm. The sample sizes are insufficient to calculate size-specific consumption guidelines. In general, walleye and northern pike from this lake are suitable for unrestricted consumption.

Hampton Lake (Dist. of Kenora), located 90 miles north of the Town of Red Lake, was sampled for northern pike. Analysis for mercury content showed ten pike to average 0.80 ppm. This sample was insufficient to calculate the size-specific guideline, however, northern pike in this lake would be suitable for occasional consumption.

Nabimina Lake (Dist. of Kenora), located 140 miles north of Sioux Lookout, was sampled for northern pike and walleye. Analysis for mercury content in these fish showed ten northern pike averaged 0.23 ppm and ten walleye averaged 0.60 ppm. Size-specific analysis has been calculated for northern pike; fish up to 22 inches in length are suitable for unrestricted consumption, pike over that length are suitable for occasional meals. The walleye sample was insufficient to calculate a size-specific classification; however, walleye from this lake would be suitable for occasional meals.

Badesdawa Lake (Dist. of Kenora), located 25 miles northeast of the Town of Pickle Lake, was sampled for walleye, northern pike, whitefish, longnose sucker, redhorse sucker, yellow perch, and cisco. Average levels of mercury and PCB and numbers of fish examined were:

Number	Species	Average Mercury Level (ppm)	Average PCB Level (ppm)
23	Walleye	0.65	0
17	Northern Pike	0.51	0
31	Whitefish	0.13	0
28	Longnose Sucker	0.24	0
21	Redhorse Sucker	0.30	0
4	Yellow Perch	0.08	0
9	Cisco	0.13	0.02

Size-specific classification were computed for northern pike, whitefish, walleye, cisco, and two species of suckers. Northern pike up to 22 inches are suitable for unrestricted consumption, fish above that size should be limited to an occasional meal. Whitefish were found to be suitable for unrestricted consumption. Longnose suckers up to 22 inches are suitable for unrestricted consumption, over that size they are suitable for occasional meals. Redhorse suckers up to 18 inches are suitable for unrestricted consumption, above that length they are suitable for occasional meals. Walleye up to 12 inches are suitable for unrestricted consumption; fish over that length are considered to be suitable for occasional meals. Yellow perch and cisco are suitable for unrestricted consumption.

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Ball Lake (Dist. of Kenora), located 45 miles northeast of the Town of Kenora was sampled for walleye and northern pike. Analysis for mercury levels showed that 30 walleye averaged 1.52 ppm and 27 northern pike averaged 2.85 ppm. These results do not alter the size-specific consumption guidelines issued previously. Northern pike over 14 inches in length should not be eaten. Walleye over 12 inches in length should not be eaten. Whitefish up to 12 inches are suitable for occasional meals. White sucker from 12 to 18 inches are suitable for occasional meals, over 18 inches they should not be consumed. Mooneye up to 14 inches are suitable for occasional consumption, fish over that length should not be eaten. Yellow perch up to 10 inches are suitable for occasional consumption; over that length they should not be consumed. Sauger, cisco, and smallmouth bass are unsuitable for consumption.

Grassy Narrows Lake (Dist. of Kenora), located 35 miles northeast of the Town of Kenora, was sampled for walleye and northern pike. Analysis for mercury content showed 30 walleye to average 2.4 ppm and 30 northern pike to average 2.88 ppm. These results do not alter the size-specific consumption guidelines previously issued. Guidelines have been calculated for northern pike, walleye, white sucker, mooneye, sauger, whitefish, cisco, and yellow perch. Northern pike up to 18 inches are suitable for occasional meals, over that size they should not be consumed. Walleye up to 12 inches could be consumed occasionally, over that length they should not be eaten. White sucker up to 14 inches are suitable for unrestricted consumption, over that length they should only be eaten occasionally. Mooneye are suitable for occasional consumption. Sauger should not be eaten. Whitefish up to 18 inches are suitable for unrestricted consumption. Over that length whitefish are suitable for occasional consumption. Cisco up to 14 inches are suitable for unrestricted consumption, over 14 inches they should be eaten only for occasional meals. Yellow perch over six inches are suitable for occasional consumption.

Tetu Lake (Dist. of Kenora), located 35 miles northwest of Kenora, was sampled for sturgeon, walleye, and northern pike. Analysis for mercury levels showed that six sturgeon averaged 2.18 ppm, 30 walleye averaged 1.43 ppm, and 30 northern pike averaged 1.93 ppm. The results do not alter the size-specific consumption guidelines for walleye and northern pike. The sample size for sturgeon was insufficient to calculate a size-specific consumption guidelines, however, the mean value of 2.18 ppm would indicate that sturgeon should not be eaten. Previous guidelines are that pike and walleye up to 14 inches are suitable for occasional consumption, fish over that length should not be eaten. Sauger over ten inches should not be eaten. Cisco and whitefish up to 14 inches are suitable for unrestricted consumption, over that length they are suitable for occasional meals. White sucker from ten to 18 inches are suitable for occasional meals.

Separation Lake (Dist. of Kenora), located 30 miles north of the Town of Kenora was sampled for northern pike and walleye. Analysis for mercury level indicated that 24 northern pike averaged 2.47 ppm and 30 walleye averaged 2.82 ppm. These results do not alter the previous size-specific consumption guidelines. Guidelines have been calculated for ten species in this lake as follows:

Redhorse sucker up to 18 inches are suitable for occasional consumption, fish over that length should not be eaten. Northern pike over 14 inches should not be consumed. Mooneye under ten inches are suitable for unrestricted consumption, from ten to 14 inches they are suitable for occasional meals, fish over

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14 inches in length should not be consumed. Walleye up to 12 inches are suitable for an occasional meal over that length they should not be eaten. Whitefish and cisco up to 14 inches are suitable for unrestricted consumption, over that length they are suitable for the occasional meal. Sauger should not be eaten. White sucker and ling are suitable for occasional meals. Yellow perch up to eight inches are suitable for occasional consumption; over that size they should not be eaten.

Sand Lake (Dist. of Kenora), located 25 miles northwest of the Town of Kenora, was sampled for northern pike and walleye. Analysis for mercury showed that 30 northern pike averaged 0.47 ppm and 30 walleye averaged 0.73 ppm. Size-specific consumption guidelines for these species are the same as guidelines published earlier to review the earlier information, consumption guidelines were published for norther pike, walleye, white sucker, yellow perch, sauger, ling, and smallmouth bass. Northern pike up to 22 inches are suitable for unrestricted consumption, fish over that length are suitable for occasional consumption. Walleye up to 14 inches are suitable for unrestricted consumption, fish over that length are suitable for occasional meals. White sucker are suitable for unrestricted consumption. Yellow perch up to ten inches are suitable for unrestricted consumption, fish over that length are suitable for occasional meals. Ling are suitable for unrestricted consumption. Sauger up to 12 inches are suitable for occasional consumption, fish over that length should not be eaten. Smallmouth bass up to ten inches are suitable for unrestricted consumption, fish over that length are suitable for occasional meals.

Trace contaminant analysis for the following lakes has shown no contamination of fish by PCB, Mirex, or a range of pesticides.

Ponsford Lake, Dist. of Kenora
Kawinogans River, Dist. of Kenora
Lake St. Joseph, Dist. of Thunder Bay

Size-specific consumption guidelines related to mercury levels were released earlier for the above lakes and are presented in the table appended to this bulletin.

RECOMMENDATIONS FOR FISH CONSUMPTION:

The following guidelines reflect the maximum recommended consumption of fish according to contaminant content and duration of fishing vacation -- one-week, two-week, three-week, and over three weeks. Fishing holidays should be spaced at least six months apart if the maximum recommended for B or C fish has been consumed.

Children under 15 and women of child-bearing age should eat only A category fish.

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FOR SHORT-TERM CONSUMPTION

Category	One-Week	Two-Weeks	Three-Weeks
A	No restrictions	No restrictions	No restrictions
B	10 meals per week 2.3 kg./week (5.1 lb./week)	5 meals per week 1.3 kg./week (2.8 lb./week)	4 meals per week 0.95 kg./week (2.1 lb./week)
C	7 meals per week 1.54 kg./week (3.4 lb./week)	4 meals per week 0.86 kg./week (1.9 lb./week)	3 meals per week 0.63 kg./week (1.4 lb./week)
D	No Consumption	No Consumption	No Consumption
E	1-2 meals per week*	1-2 meals per week*	1-2 meals per week*

NOTES:

Anglers should NOT take home fish for freezing and later consumption unless it is from category A.

* Fish containing more than the maximum level of PCB, Mirex, and DDT indicated by the federal guidelines should be eaten only occasionally. For the purpose of short-term consumption this means one to two meals per week.

A meal is approximately equivalent to 230 grams (8 oz.).

FOR LONG-TERM CONSUMPTION**

Fish Category	Meals
A	No restrictions*
B	0.226 kg./week 0.5 lb./week
C	0.136 kg./week 0.3 lb./week
D	None
E	1-2 meals per month

* No restrictions are placed on consumption of fish in category A according to federal guidelines.

** For the purpose of this recommendation, those who fish on and off for part of the year exceeding three weeks are considered long-term consumers.

Pamphlets entitled "Guide to Eating Ontario Sportfish", outlining the facts about fish contamination and the resultant health implications are now available from local offices of the Ministries of Environment and Natural Resources. For information concerning specific water bodies and fish species these local offices should be contacted.

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The Ontario Government has sampled fish from many lakes throughout the Province. As further information on additional water bodies becomes available listings will be made public through local media, and data can be obtained from the local offices of the Ministries of Environment and Natural Resources.

FOR FURTHER INFORMATION:

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CONTAMINANT DATA SUMMARY

Ontario Ministry of the Environment - 1977

Lake	Species	Size Range in Inches									
		Under 6	6-8	8-10	10-12	12-14	14-18	18-22	22-26	26-30	Over 30
CENTRAL REGION											
Lake Scugog	Yellow Perch	A	A	A	A	A	-	-	-	-	-
	Walleye	-	A	A	A	A	A	A	A	A	-
Pigeon Lake	Yellow Perch	A	A	A	A	A	-	-	-	-	-
	Walleye	-	-	A	A	A	A	A	B	B	-
	Largemouth Bass	A	A	A	A	A	A	A	-	-	-
Rice Lake	Walleye	-	-	A	A	A	A	A	B	B	-
	Yellow Perch	A	A	A	-	-	-	-	-	-	-
	Largemouth Bass	-	A	A	A	A	A	A	-	-	-
Koshlong Lake	Smallmouth Bass	-	-	-	A	B	C	D	-	-	-
	Lake Trout	-	-	-	-	-	A	B	C	D	D
Lake Vernon	Smallmouth Bass	-	A	B	C	D	D	D	-	-	-
	Lake Trout	-	-	B	B	C	D	D	D	D	D
Hunter's Bay	Smallmouth Bass	-	A	B	C	D	D	D	-	-	-
Fairy Lake	Lake Trout	-	-	-	B	C	D	D	D	D	D
	Smallmouth Bass	-	-	B	C	D	D	D	-	-	-
Mary Lake	Smelt	A	C	-	-	-	-	-	-	-	-
	Lake Trout	-	-	-	A	B	C	D	D	D	D
	Smallmouth Bass	-	-	B	B	C	D	-	-	-	-

Lake	Species	Size Range in Inches									
		Under 6	6-8	8-10	10-12	12-14	14-18	18-22	22-26	26-30	Over 30
Lake Joseph	Smelt	A	C	-	-	-	-	-	-	-	-
	Lake Trout	-	-	-	-	-	A	A	B	C	-
Lake Muskoka	Lake Trout	-	-	-	-	-	-	D	D	D	D
	Rock Bass	-	B	C	-	-	-	-	-	-	-
Lake of Bays	Lake Trout	-	-	-	-	-	-	C	C	C	D
Buchanan Lake	Brook Trout	-	A	A	A	-	-	-	-	-	-
SOUTHEASTERN REGION											
Dickey Lake	Lake Trout	-	-	-	-	A	A	B	-	-	-
	Smallmouth Bass	-	A	A	B	B	C	-	-	-	-
Skootamatta Lake	Walleye	-	-	A	A	A	B	C	C	D	-
Eagle Lake	Largemouth Bass	-	-	A	A	A	A	-	-	-	-
	Smallmouth Bass	-	-	A	A	A	B	B	-	-	-
Mackie Lake	Smallmouth Bass	-	A	A	A	A	B	C	-	-	-
Mazinaw Lake	Smallmouth Bass	-	-	-	A	B	C	D	-	-	-
	Walleye	-	-	-	A	A	C	D	D	-	-
	Lake Trout	-	-	-	-	-	-	C	D	-	-
Bark Lake	Lake Trout	-	-	-	-	-	B	C	D	D	-
Mississippi Lake	Walleye	-	-	A	A	A	B	B	C	C	-
	Largemouth Bass	-	A	A	A	B	B	C	-	-	-
	Smallmouth Bass	-	A	A	A	B	B	C	-	-	-
	Pike	-	-	-	A	A	A	B	B	C	-
	Yellow Perch	-	A	A	B	C	-	-	-	-	-

Lake	Species	Size Range in Inches									
		Under 6	6-8	8-10	10-12	12-14	14-18	18-22	22-26	26-30	Over 30
Black Lake	Smallmouth Bass	-	-	A	B	B	C	D	-	-	-
Otty Lake	Pike	-	-	-	-	-	A	B	B	C	D
	Smallmouth Bass	-	-	A	A	B	C	D	D	-	-
Calabogie Lake	Walleye	-	A	A	A	A	B	C	C	-	-
	Pike	-	-	-	-	-	A	B	C	-	-
	Smallmouth Bass	-	A	A	B	B	B	-	-	-	-
Kaminiskeg Lake	Lake Trout	-	-	-	-	-	A	B	C	D	D
WEST-CENTRAL REGION											
Lake Erie, Eastern Basin	Yellow Perch	A	A	A	A	A	-	-	-	-	-
	Walleye	-	-	-	-	A	A	A	A	B	-
	Smallmouth Bass	A	A	A	A	A	B	B	-	-	-
	Pike	-	-	-	-	-	A	A	A	B	B
	Coho Salmon	-	-	-	A	A	A	A	A	-	-
SOUTHWESTERN REGION											
Lake Huron- Point Edward	Splake	-	-	-	-	-	-	E	-	-	-
	Brown Trout	-	-	-	-	-	A	E	-	-	-
	Smallmouth Bass	-	-	A	A	A	-	-	-	-	-
Lake Huron- Cape Rich	Splake	-	-	-	A	A	A	A	-	-	-
	Rainbow Trout	-	-	-	A	A	A	A	A	E	E
	White Sucker	-	-	A	A	A	E	-	-	-	-
	Yellow Perch	-	A	A	A	A	-	-	-	-	-

Lake	Species	Size Range in Inches									
		Under 6	6-8	8-10	10-12	12-14	14-18	18-22	22-26	26-30	Over 30
Lake Huron-Denny's Dam	Chinook Salmon	-	-	-	-	E	E	E	-	-	-
	Rainbow Trout	-	-	-	A	A	A	A	A	E	E
	White Sucker	-	-	-	-	A	A	B	-	-	-
	Northern Pike	-	-	-	-	-	A	A	A	A	A
Lake Huron-Chief's Point to Howdenvale	Brown Trout	-	-	-	-	-	-	E	E	-	-
	Smallmouth Bass	-	A	A	A	-	-	-	-	-	-
NORTHEASTERN REGION											
Cedar Lake	Lake Trout	-	-	-	A	A	B	C	C	D	D
	Walleye	-	-	-	A	A	B	C	D	D	-
Kioshkokwi Lake	Lake Trout	-	-	-	A	A	B	C	D	D	D
Wahwashkesh Lake	Smallmouth Bass	-	-	A	B	B	C	C	-	-	-
Cecebe Lake	Walleye	-	A	B	B	B	C	C	D	D	D
	Smallmouth Bass	-	A	A	B	B	C	D	-	-	-
Doe Lake	Pike	-	-	-	-	A	A	B	B	C	C
	Walleye	-	-	A	B	B	C	D	D	-	-
	Smallmouth Bass	-	-	A	A	B	C	D	-	-	-
Trout Lake	Brook Trout	A	A	A	-	-	-	-	-	-	-
NORTHWESTERN REGION											
Kenogamisis Lake	Walleye	-	-	-	A	A	B	B	C	C	-
	Yellow Perch	-	A	A	A	A	-	-	-	-	-
	Pike	-	-	-	A	A	A	B	B	B	C

Lake	Species	Size Range in Inches									
		Under 6	6-8	8-10	10-12	12-14	14-18	18-22	22-26	26-30	Over 30
Guernsey Lake	Pike	-	-	-	-	-	B	B	C	C	-
	Walleye	-	-	-	-	B	C	D	D	D	-
Pringle Lake	Pike	-	-	-	-	-	A	B	B	C	-
Wavell Lake	Walleye	-	-	A	B	C	D	D	-	-	-
Grist Lake	Walleye	-	B	B	C	D	D	D	-	-	-
Tupman Lake	Walleye	-	-	-	-	-	B	C	D	-	-
	Pike	-	-	-	-	-	-	B	B	C	C
Badesdawa Lake	Pike	-	-	-	-	A	A	A	B	B	C
	Whitefish	-	-	A	A	A	A	A	-	-	-
	Longnose Sucker	-	-	-	A	A	A	A	B	-	-
	Redhorse Sucker	-	-	-	-	-	A	B	B	-	-
	Walleye	-	-	-	A	B	B	B	-	-	-
Ball Lake	Pike	-	-	-	B	B	D	D	D	D	D
	Walleye	-	-	-	C	D	D	D	D	D	D
	Whitefish	-	-	-	A	B	B	C	-	-	-
	White Sucker	-	-	-	A	B	C	D	D	D	-
	Mooneye	-	-	A	B	C	D	-	-	-	-
	Yellow Perch	-	B	C	D	D	D	-	-	-	-
	Sauger	-	C	D	D	D	D	D	-	-	-
	Smallmouth Bass	-	-	-	-	D	D	-	-	-	-
	Cisco	-	-	-	-	D	D	-	-	-	-

Lake	Species	Size Range in Inches									
		Under 6	6-8	8-10	10-12	12-14	14-18	18-22	22-26	26-30	Over 30
Grassy Narrows Lake	Pike	-	-	-	-	B	C	D	D	D	D
	Walleye	-	-	-	C	D	D	D	D	D	-
	White Sucker	-	-	-	A	A	B	B	-	-	-
	Mooneye	-	-	A	B	B	C	-	-	-	-
	Sauger	-	B	C	D	D	D	-	-	-	-
	Whitefish	-	-	-	-	A	A	B	-	-	-
	Cisco	-	-	A	A	A	B	-	-	-	-
	Yellow Perch	A	B	B	-	-	-	-	-	-	-
Tetu Lake	Pike	-	-	-	-	B	D	D	D	D	D
	Walleye	-	-	-	C	C	D	D	D	D	-
	Sauger	-	C	C	D	D	D	-	-	-	-
	Cisco	A	A	A	A	A	C	-	-	-	-
	Whitefish	-	-	A	A	A	B	-	-	-	-
	White Sucker	-	-	-	B	B	C	-	-	-	-
	Sturgeon	-	-	-	-	-	-	--	--	-	D
Separation Lake	Redhorse Sucker	-	-	-	-	B	C	D	D	D	-
	Pike	-	-	-	-	B	D	D	D	D	D
	Mooneye	-	A	A	B	C	D	-	-	-	-
	Walleye	-	-	-	C	D	D	D	D	D	-
	Whitefish	-	-	A	A	A	B	B	-	-	-
	Cisco	A	A	A	A	A	B	-	-	-	-
	Sauger	-	C	D	D	D	D	-	-	-	-
	White Sucker	-	-	-	A	B	B	-	-	-	-
	Ling	-	-	-	-	B	B	C	-	-	-
	Yellow Perch	-	C	D	-	-	-	-	-	-	-
Sand Lake	Pike	-	-	-	-	A	A	A	B	B	C
	White Sucker	-	-	A	A	A	A	A	-	-	-
	Yellow Perch	A	A	A	B	B	-	-	-	-	-
	Walleye	-	-	-	A	A	B	B	C	-	-
	Ling	-	-	-	-	-	A	A	-	-	-
	Sauger	-	-	B	C	D	-	-	-	-	-
	Smallmouth Bass	-	-	A	B	B	-	-	-	-	-

Lake	Species	Size Range in Inches									
		Under 6	6-8	8-10	10-12	12-14	14-18	18-22	22-26	26-30	Over 30
Big Sawbill Lake	Northern Pike	-	-	-	-	-	-	A	A	A	A
Lake Silcox	Walleye	-	-	-	-	-	A	A	-	-	-
	Northern Pike	-	-	-	-	-	-	A	A	-	-
Hampton Lake	Northern Pike	-	-	-	-	-	B	C	-	-	-
Nabimina Lake	Pike	-	-	-	A	A	A	A	B	-	-

ENVIRONMENT ONTARIO BULLETIN

ENVIRONMENTAL HEALTH BULLETIN

OCTOBER 5, 1977

Environment Ontario is issuing a series of monthly bulletins to provide Ontario residents with the most up-to-date information on environmental quality and any environmental conditions which may pose a hazard to health.

This bulletin supplements earlier information provided through the Ontario Government's fish contaminants information program. This will be compiled with other environmental health bulletins issued this year, and incorporated in a revised and updated information package in Spring 1978.

Background information now available includes: The free booklet, "Guide to Eating Ontario Sportfish", individual lake cards listing contaminant levels for each species in 167 locations sampled up to the end of 1976, and the book "Health Implications of Contaminants in Fish", available for $5 from the Ontario Government Bookstore.

The "Guide to Eating Ontario's Sportfish", outlining the facts about fish contamination and the resultant health implications is now available from local offices of the Ministries of Environment and Natural Resources. For information concerning specific water bodies and fish species these local offices should be contacted.

Fish are categorized A, B, C, or D according to the level of mercury contamination.

The level of mercury in fish considered acceptable for unrestricted consumption is 0.5 parts per million or lower (category A). Fish containing between 0.5 and 1.5 ppm mercury (categories B & C) are suitable for occasional consumption (i.e. a few meals per month). Fish containing more than 1.5 ppm mercury (category D) should not be consumed. However, women of child-bearing age and children under 15 years of age should only consume fish from category A. Consumption guidelines found on page six of this bulletin reflect the maximum recommended consumption of fish according to contaminant content and duration of fishing vacation -- one-week, two-week, and over three weeks. Fishing holidays should be spaced at least six months apart if the maximum recommended for B or C fish will be consumed.

Since mercury content increases in fish with increasing size and age, analysis of specific sizes of fish from a particular lake can be used to determine the relationship between fish length and mercury level. Environment Ontario is now presenting fish contaminant data in a form which will allow the angler, simply by measuring the fish he or she has caught, to determine the level of safe consumption.

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Ontario Ministry of the Environment

Hon. George A. Kerr, Q.C.
Minister

K. H. Sharpe
Deputy Minister

Environmental Health Guidelines For Fish From 24 Ontario Watercourses -- 1977 Survey Program

NORTHWESTERN ONTARIO

Avery Lake (Avery Tp., Kenora Dist.), located about 22 miles southeast of Dryden was sampled for pike. The 15 fish averaged 0.14 ppm mercury. All pike are suitable for unrestricted consumption.

Clay Lake (Redvers Tp., Kenora Dist.), located about 25 miles northwest of Dryden was sampled for walleye (pickerel) and pike. Thirty walleye averaged 6.97 ppm mercury, and 30 pike averaged 4.83 ppm mercury. None of the pike or walleye are suitable for consumption. 1977 findings are consistent with previous samplings from Clay Lake, the reason for elevated levels is an industrial mercury discharge from a chlor-alkali plant in the years 1962 to 1970.

Pickerel Lake (Gidley Tp., Kenora Dist.), located about 15 miles west of Keewatin, was sampled for walleye. Fifteen walleye (pickerel) averaged 0.99 ppm mercury. Fish under 14 inches in length are suitable for unrestricted consumption. Fish of this species 14 to 22 inches in length may be consumed on an occasional meal basis, but walleye over 22 inches in length should not be eaten.

Reta Lake (Thunder Bay Dist.), located about 30 miles west of the Town of Silver Mountain, was sampled for pike. The 22 pike averaged 0.63 ppm mercury. Size specific classification shows that fish up to 18 inches in length are suitable for unrestricted consumption. Pike in the range 18 to 22 inches are suitable for occasional consumption, but those over 22 inches in length should not be eaten.

Shaco Lake (Thunder Bay Dist.), located about 36 miles west of the Town of Silver Mountain, was sampled for pike. The 14 pike averaged 0.84 ppm mercury. Fish under 12 inches in length are suitable for unrestricted consumption. Pike in the range 12 to 26 inches are suitable for occasional meals, those over 26 inches should not be eaten.

NORTHEASTERN ONTARIO

Coppell Lake (Lowther Tp.), located about 20 miles southwest of Hearst, was sampled for pike in 1977. Fifteen fish averaged 0.66 ppm mercury. Pike up to 14 inches in length are suitable for unrestricted consumption. Fish from 14 to 26 inches are suitable for occasional consumption. Pike over 26 inches in length from Coppell Lake should not be consumed.

Fushimi Lake (Stoddart Tp.), located about 15 miles northeast of Hearst, was sampled for pike and walleye (pickerel). Sixteen pike averaged 0.45 ppm mercury. Pike up to 22 inches are suitable for unrestricted consumption; fish larger than this should be consumed on an occasional meal basis. Eighteen walleye averaged 0.42 ppm mercury. Fish up to 14 inches are suitable for unrestricted consumption; pickerel over this size should be consumed on an occasional meal basis only.

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Hanlan Lake (Bannerman and Hanlan Tps.), located about 12 miles northwest of Hearst, was sampled for walleye (pickerel) and pike in 1977. Fifteen walleye averaged 0.47 ppm mercury. Walleye up to 14 inches are suitable for unrestricted consumption. Fish larger than this are suitable for occasional meals only. Fifteen pike averaged 0.63 ppm mercury. Pike up to 18 inches are suitable for unrestricted consumption. Pike above this size should be consumed on an occasional meals basis.

Pivabiska Lake (Hanlan Tp.), located about ten miles north of Hearst, was sampled for walleye and pike in 1977. Twenty-one walleye averaged 0.35 ppm mercury. Walleye up to 22 inches are suitable for unrestricted consumption. Fish larger than this should be consumed on an occasional meal basis. Fifteen pike averaged 0.29 ppm mercury. Pike up to 22 inches are suitable for unrestricted consumption. Fish larger than this should be limited to an occasional meal.

Lake Ste. Therese (Casgrain Tp.), located about eight miles north of Hearst, was sampled for walleye and pike. Fifteen walleye averaged 0.42 ppm mercury. Walleye up to 18 inches are suitable for unrestricted consumption and fish above this size should be limited to occasional meals only. Fiften pike averaged 0.44 ppm mercury; however, the pike data were not suitable for size specific classification. As an approximate guide, the consumption of pike over 18 inches should be limited to occasional meals.

Wolverine Lake (Hanlan and Bannderman Tps.), located about 12 miles northwest of Hearst, was sampled for pike, walleye, and yellow perch. Fifteen pike averaged 0.31 ppm mercury. Pike up to 18 inches are suitable for unrestricted consumption. Pike over 18 inches are suitable for occasional meals only. Eight yellow perch averaged 0.15 ppm mercury. All sizes are suitable for unrestricted consumption. Fifteen walleye averaged 0.36 ppm mercury. Fish up to 18 inches are suitable for unrestricted consumption. Walleye from 18 to 22 inches are suitable for occasional meals. Large walleye were not included in the 1977 catch but data from other lakes in the area would indicate that the larger walleye from Wolverine Lake are suitable for occasional meals.

CENTRAL ONTARIO

Lake Couchiching (Orillia Tp., Simcoe Co.), located north of the City of Orillia, was sampled for smallmouth bass, largemouth bass, walleye, and pike. Twenty smallmouth bass had an average mercury level of 0.37 ppm. Fish under 14 inches in length are suitable for unrestricted consumption. Smallmouth bass over 14 inches should be eaten on an occasional meal basis. Twenty-three largemouth bass had an average mercury content of 0.56 ppm. Largemouth bass under 14 inches in length are suitable for unrestricted consumption and fish larger than this should be limited to occasional meals. Fifteen walleye (pickerel) had an average mercury level of 0.55 ppm. Walleye up to 18 inches are suitable for unrestricted consumption. Fish from 18 to 26 inches are suitable for occasional meals. Size specific classification indicates that walleye larger than 26 inches should not be eaten. Pike up to 30 inches in length are suitable for unrestricted consumption. Some pike above this size may contain more than 0.5 ppm mercury and should be restricted to occasional meals.

Sparrow Lake (Orillia Tp., Muskoka Dist.), located about six miles southwest of Gravenhurst, was sampled for smallmouth bass and walleye. Fifteen smallmouth bass averaged 0.59 ppm mercury. Fish under 12 inches are suitable for unrestricted consumption. Smallmouth bass above this size should be limited to occasional meals. Fifteen walleye (pickerel) averaged 0.77 ppm mercury. Fish over this size should be limited to occasional meals.

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Lake St. John (Rama Tp., Simcoe Co.), located just east of Lake Couchiching, is about eight miles northeast of Orillia. Sixteen walleye (pickerel) collected from Lake St. John in 1977 had an average mercury level of 0.96 ppm. Size specific classification indicates that walleye up to 26 inches in length are suitable for consumption on an occasional meal basis only. Over that length fish should not be eaten.

Jacks Lake - Nottawasaga River (Sunnidale Tp., Simcoe Co.), located about four miles south of Wasaga Beach, was sampled for walleye and yellow perch. Fifteen walleye (pickerel) had an average mercury content of 0.66 ppm. Walleye up to 18 inches in length are suitable for unrestricted consumption. Fish from 18 to 26 inches should be eaten on an occasional meal basis. Walleye larger than 26 inches should not be eaten. Perch up to 14 inches are suitable for unrestricted consumption.

Scugog River (Fenelon Tp., Victoria Co.), in the vicinity of the Town of Lindsay was sampled for walleye, smallmouth and largemouth bass, and carp. Nineteen walleye (pickerel) averaged 0.18 ppm mercury. Fish up to 30 inches are suitable for unrestricted consumption. Largemouth bass up to 18 inches in length are suitable for unrestricted consumption, over that length they should be limited to occasional consumption. Nine smallmouth bass averaged 0.14 ppm mercury and were suitable for unrestricted consumption. Seventeen carp had an average mercury level of 0.06 ppm. All carp are suitable for unrestricted consumption.

Stony Lake (Dummer Tp., Peterborough Co.), located about 20 miles northeast of Peterborough, was sampled for walleye (pickerel) muskellunge, burbot and cisco. Eight walleye averaged 0.39 ppm mercury. Fish under 14 inches in length are suitable for unrestricted consumption. Larger walleye should be eaten on an occasional meal basis only. Twenty-one muskellunge averaged 0.28 ppm mercury. The minimum size limit for muskellunge is 28 inches. Size specific mercury classification indicates that fish from this length to 30 inches are suitable for unrestricted consumption. Muskellunge over 30 inches may contain over 0.5 ppm mercury and should, therefore, be restricted to occasional meals. Nineteen burbot had an average mercury level of 0.32 ppm. Fish up to 18 inches are suitable for unrestricted consumption. Larger burbot should be limited to occasional meals. Twelve cisco contained an average of 0.21 ppm mercury. This species is suitable for unrestricted consumption.

SOUTHEASTERN REGION

Big Clear Lake (Bedford Tp., Frontenac Co.), located 25 miles north of Kingston, was sampled for smallmouth bass and Lake Trout. Ten smallmouth bass averaged 0.26 ppm mercury. Bass up to 14 inches are suitable for unrestricted consumption. Fish larger than 14 inches should be restricted to occasional meals. Eleven lake trout averaged 0.30 ppm mercury. Fish up to 26 inches are suitable for unrestricted consumption. Larger lake trout should be eaten on an occasional meal basis.

Big Salmon Lake (Bedford Tp., Frontenac Co.), located about 22 miles north of Kingston, was sampled for largemouth bass and lake trout. Twelve largemouth bass averaged 0.26 ppm mercury. Size specific classification indicates that largemouth bass up to 18 inches in length are suitable for unrestricted consumption. Sixteen lake trout averaged 0.31 ppm mercury. Fish up to 30 inches are suitable for unrestricted consumption. Based on information from nearby Big Clear Lake, lake trout larger than 30 inches should be consumed on an occasional meal basis.

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Buck Lake (Bedford Tp., Frontenac Co.), located about 20 miles north of Kingston, was sampled for lake trout and largemouth bass. Twenty-five lake trout averaged 0.30 ppm mercury. Fish up to 30 inches are suitable for unrestricted consumption. Based on a comparison with nearby Big Clear Lake, lake trout over 30 inches are likely suitable for occasional consumption. Twelve largemouth bass averaged 0.23 ppm mercury. Fish up to 14 inches in length are suitable for unrestricted consumption. Although larger bass were not collected from Buck Lake, samples from other lakes in the area indicate that the bigger largemouth bass are likely suitable for consumption on an occasional meal basis.

Devil Lake (Bedford Tp., Frontenac Co.), located about 25 miles north of Kingston, was sampled for lake trout and smallmouth bass. Fifteen lake trout averaged 0.26 ppm mercury. Trout up to 30 inches are suitable for unrestricted consumption. Based on the analysis of lake trout from nearby Big Clear Lake, fish over 30 inches are likely suitable for consumption on an occasional meal basis. Eight smallmouth bass under 14 inches in length are suitable for unrestricted consumption. Fish larger than this should be consumed on an occasional meal basis.

Wolfe Lake (Bedford Tp., Frontenac Co.), located about 30 miles north of Kingston, was sampled for smallmouth bass and walleye. Twelve smallmouth bass averaged 0.27 ppm mercury. Fish up to 14 inches are suitable for unrestricted consumption. Smallmouth bass larger than 14 inches should be eaten on an occasional meal basis. Fourteen walleye (pickerel) averaged 0.35 ppm mercury. Fish up to 26 inches in length are suitable for unrestricted consumption.

Big Rideau Lake (South Burgess Tp., Leeds Co.), located about 15 miles southwest of Smiths Falls. Lake trout and largemouth bass were collected near Sand Island at the inlet from Upper Rideau Lake. Eighteen lake trout had an average mercury collection level of 0.26 ppm. Lake trout up to 26 inches in length are suitable for unrestricted consumption. Although no large lake trout were collected from Big Rideau Lake, samples from other lakes in the area indicate that large lake trout may contain more than 0.5 ppm mercury and should be consumed on an occasional meal basis. Seven largemouth bass averaged 0.26 ppm mercury. Largemouth bass up to 14 inches are suitable for unrestricted consumption. Fish larger than 14 inches should be eaten on an occasional meal basis.

Chalk Bay-Ottawa River (Petawawa Tp., Renfrew Co.), located about 15 miles northwest of Pembroke, was sampled for northern pike. Twenty-five fish contained an averaged mercury level of 0.91 ppm. Northern pike up to 18 inches in length are suitable for unrestricted consumption. Larger fish are suitable for occasional meals.

Pamphlets entitled "Guide to Eating Ontario Sportfish", outlining the facts about fish contamination and the resultant health implications are now available from local offices of the Ministries of Environment and Natural Resources. For information concerning specific water bodies and fish species these local offices should be contacted.

The Ontario Government has sampled fish from many lakes throughout the Province. As further information on additional water bodies becomes available listings will be made public through local media, and data can be obtained from the local offices of the Ministries of Environment and Natural Resources.

FOR FURTHER INFORMATION: J. Ralston: (416) 965-6954
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RECOMMENDATIONS FOR FISH CONSUMPTION:

The following guidelines reflect the maximum recommended consumption of fish according to contaminant content and duration of fishing vacation -- one-week, two-week, three-week, and over three weeks. Fishing holidays should be spaced at least six months apart if the maximum recommended for B or C fish has been consumed.

Children under 15 and women of child-bearing age should eat only A category fish.

FOR SHORT-TERM CONSUMPTION

Category	One Week	Two Weeks	Three Weeks
A	No restrictions*	No restrictions*	No restrictions*
B	10 meals per wk. 2.3 kg./week (5.1 lb./week)	5 meals per wk. 1.3 kg./week (2.8 lbs./week)	4 meals per wk. 0.95 kg./week (2.1 lb./week)
C	7 meals per week 1.54 kg./week (3.4 lb./week)	4 meals per week 0.86 kg./week (1.9 lb/week)	3 meals per week 0.63 kg./week (1.4 lb./week)
D	No Consumption	No Consumption	No Consumption

Notes:

Anglers should NOT take home fish for freezing and later consumption unless it is from category A.

Fish containing more than the maximum level of PCB, Mirex and DDT indicated by the federal guidelines should be eaten only occasionally. For the purpose of short-term consumption this means one to two meals per week.

A meal is approximately equivalent to 230 grams (8 oz.).

FOR LONG-TERM CONSUMPTION**

Fish Category	Meals
A	No restrictions*
B	0.226 kg./week 0.5 lb./week
C	0.136 kg./week 0.3 lb./week
D	None

* No restrictions are placed on consumption of fish in this category according to federal guidelines.

** For the purpose of this recommendation, those who fish on and off for part of the year exceeding three weeks are considered long-term consumers.

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CONTAMINANT DATA SUMMARY

Ontario Ministry of the Environment -- 1977

Lake	Species	Size Range in Inches									
		Under 6	6-8	8-10	10-12	12-14	14-18	18-22	22-26	26-30	over 30
NORTHWESTERN REGION											
Avery Lake	Pike	-	-	-	A	A	A	A	A	-	-
Clay Lake	Walleye	-	-	-	-	-	D	D	D	-	-
	Pike	-	-	-	-	-	D	D	D	D	D
Pickerel Lake	Walleye	-	-	-	-	A	B	C	D	-	-
Reta Lake	Pike	-	-	-	-	A	A	B	C	D	D
Shaco Lake	Pike	-	-	A	A	B	B	C	C	D	-
NORTHEASTERN REGION											
Coppell Lake	N. Pike	-	-	-	A	A	B	B	C	D	-
Fushimi Lake	N. Pike	-	-	-	-	A	A	A	B	B	C
	Walleye	-	A	A	A	A	B	B	C	C	-
Hanlan Lake	Walleye	-	-	A	A	A	B	B	C	C	-
	N. Pike	-	-	-	A	A	A	B	B	B	B
Pivabiska Lake	N. Pike	-	-	-	-	A	A	A	B	B	B
	Walleye	-	A	A	A	A	A	A	B	-	-
Lake Ste. Therese	Walleye	-	-	-	A	A	A	B	B	-	-
Wolverine Lake	N. Pike	-	-	-	-	A	A	B	B	-	-
	Walleye	-	-	A	A	A	A	B	-	-	-
	Yellow Perch	-	-	A	A	A	-	-	-	-	-

CONTAMINANT DATA SUMMARY

Ontario Ministry of the Environment -- 1977

Lake	Species	Size Range in Inches									
		Under 6	6-8	8-10	10-12	12-14	14-18	18-22	22-26	26-30	over 30
CENTRAL REGION											
Lake Couchiching	S. M. Bass	-	A	A	A	A	B	B	-	-	-
	L. M. Bass	-	-	A	A	A	B	C	-	-	-
	Walleye	-	-	-	-	A	A	B	C	D	-
	Pike	-	-	-	-	-	-	A	A	A	A
Sparrow Lake	S. M. Bass	-	-	-	A	B	B	-	-	-	-
	Walleye	-	-	-	-	A	B	B	C	-	-
Lake St. John	Walleye	-	-	-	B	B	B	C	C	D	-
Jacks Lake	Walleye	-	-	-	A	A	A	B	C	D	D
-Nottawasaga River	Yellow Perch	A	A	A	A	A	-	-	-	-	-
Scugog River	Walleye	-	-	-	A	A	A	A	A	A	B
	S. M. Bass	-	-	A	A	A	A	-	-	-	-
	L. M. Bass	-	-	-	A	A	A	B	-	-	-
	Carp	-	-	A	A	A	A	-	-	-	-
Stony Lake	Walleye	-	-	A	A	A	B	C	-	-	-
	Muskie	-	-	-	-	-	A	A	A	A	-
	Burbot	-	-	A	A	A	A	B	B	-	-
	Cisco	-	-	-	A	A	A	-	-	-	-
SOUTHEASTERN REGION											
Big Clear Lake	S. M. Bass	-	-	A	A	A	B	-	-	-	-
	L. Trout	-	-	-	A	A	A	A	A	B	B

CONTAMINANT DATA SUMMARY

Ontario Ministry of the Environment -- 1977

Lake	Species	Size Range in Inches									
		Under 6	6-8	8-10	10-12	12-14	14-18	18-22	22-26	26-30	over 30
Big Salmon Lake	S. M. Bass	-	-	A	A	A	A	-	-	-	-
	L. Trout	-	-	-	A	A	A	A	A	A	-
Buck Lake	L. Trout	-	-	-	A	A	A	A	A	A	-
	L. M. Bass	-	A	A	A	A	-	-	-	-	-
Devil Lake	L. Trout	-	-	A	A	A	A	A	A	A	-
	S. M. Bass	-	A	A	A	A	B	B	-	-	-
Wolfe Lake	S. M. Bass	-	-	A	A	A	B	-	-	-	-
	Walleye	-	-	-	A	A	A	A	A	-	-
Big Rideau Lake	L. Trout	-	-	-	-	-	A	A	A	-	-
	L. M. Bass	-	A	A	A	A	B	-	-	-	-
Ottawa River at Chalk Bay	N. Pike	-	-	-	-	-	A	B	B	C	C

ENVIRONMENT ONTARIO BULLETIN

Feb, 1977

ENVIRONMENTAL HEALTH BULLETIN

Mercury Levels In Kirkland Lake Area Fish

Environment Ontario is issuing a series of bulletins to provide Ontario residents with the most up-to-date information on environmental quality and any environmental conditions which may pose a hazard to health.

Environment Ontario advises that elevated levels of mercury have been found in some fish taken from Black River and Howard, Round and Skeleton Lakes near the Town of Kirkland Lake.

The Ministry advises that only occasional meals of the contaminated fish from the water systems should be consumed. Women who are pregnant, or who may become pregnant, nursing mothers and young children are advised not to consume these fish.

Howard Lake

Pike obtained from Howard Lake, located 15 miles east of the Town of Kirkland Lake are slightly above the acceptable limit of 0.5 parts per million for mercury.

Round Lake

Walleye from this lake, located 12 miles south of the Town of Kirkland Lake are elevated.

Skeleton Lake

Walleye obtained from this lake, located 35 miles southeast of the Town of Kirkland Lake are elevated.

Black River

Walleye obtained from this river, which flows north through the Town of Matheson into the Abitibi River, are elevated.

Current and past mining activities in the Kirkland Lake area may have resulted in minimal mercury contamination. However, Environment Ontario staff believe that the elevated levels of mercury probably originate from natural sources.

The Ontario Ministry of the Environment, in co-operation with the Health Ministry and the Occupational Health Protection Branch of the Ministry of Labour is now responsible for information regarding environmental health.

The Ministries of Natural Resources and Environment are engaged in ongoing sampling and analysis of fish from lakes throughout Ontario. As analyses are completed by Environment Ontario's laboratory, bulletins are issued concerning results related to environmental health.

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Ontario
Ministry of the Environment

Hon. George A. Kerr, Q.C.,
Minister

Everett Biggs,
Deputy Minister

KIRKLAND LAKE AREA FISH: MERCURY DATA SUMMARY, 1976

SPECIES	N	MEAN	MAXIMUM	MINIMUM	STD. DEV.	MEAN WT. (LB.)	%<=0.5
Howard Lake							
Pike	10	0.56	0.85	0.37	0.151	2.357	60.00
Round Lake							
Walleye	10	0.69	1.10	0.50	0.204	3.172	100.00
Skeleton Lake							
Walleye	10	0.79	1.70	0.28	0.453	1.432	80.00
Black River							
Walleye	10	0.90	1.60	0.50	0.352	0.738	100.00

ENVIRONMENT ONTARIO BULLETIN

ENVIRONMENTAL HEALTH BULLETIN

AUGUST 1977

Size Specific Mercury Guidelines Available For 16 Ontario Lakes -- 1977 Survey Program

Environment Ontario is issuing a series of bulletins to provide Ontario residents with the most up-to-date information on environmental quality and any environmental conditions which may pose a hazard to health.

This bulletin contains information on mercury levels in various species of fish from 16 lakes. Fish from these lakes were collected by the Ministry of Natural Resources and analyzed by the Ministry of the Environment. Advice on consumption limits is provided by the Occupational Health Protection Branch of the Ministry of Labour.

The bulletin supplements earlier information provided through the Ontario Government's fish contaminants information program. This will be compiled with other environmental health bulletins issued this year, and incorporated in a revised and updated information package in Spring 1978.

Background information now available includes: The free booklet, "Guide to Eating Ontario Sportfish", individual lake cards listing contaminant levels for each species in 167 locations sampled up to the end of 1976, and the book "Health Implications of Contaminants in Fish", available for $5 from the Ontario Government Bookstore.

The "Guide to Eating Ontario Sportfish", outlining the facts about fish contamination and the resultant health implications is now available from local offices of the Ministries of Environment and Natural Resources. For information concerning specific water bodies and fish species these local offices should be contacted.

Lake Bernard (Strong Twp., Parry Sound District) in the Magnetewan River watershed was sampled for lake trout in 1977. Thirty-two lake trout averaged 0.67 ppm mercury. Trout up to 18 inches in length are suitable for unrestricted consumption, while those 18 to 30 inches are suitable for occasional consumption as noted above.

Cecebe Lake (Chapman Twp., Parry Sound District) on the Magnetewan River watershed was sampled for walleye (pickerel) in 1977. Thirty walleye collected, averaged 0.99 ppm mercury; fish of this species up to 22 inches in length are suitable for occasional consumption as noted above; walleye over 22 inches in length should not be consumed.

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Ontario Ministry of the Environment

Hon. George A. Kerr, Q.C.
Minister

K. H. Sharpe
Deputy Minister

Ahmic Lake (Croft Twp., Parry Sound District) also located in the Magnetewan River watershed was sampled for walleye (pickerel) in 1977. Thirty-one walleye averaged 0.91 ppm mercury; fish of this species up to 22 inches in length are suitable for occasional consumption as noted above; those over 22 inches in length should not be consumed.

Doe Lake (Ryerson Twp., Parry Sound District) also in the Magnetewan River watershed was sampled for northern pike and walleye (pickerel) in 1977. Twenty-eight northern pike averaged 0.57 ppm mercury; thirty-five walleye averaged 0.89 ppm mercury. Northern pike up to 18 inches in length are suitable for unrestricted consumption; over that length they are suitable for occasional consumption. Walleye up to 18 inches are suitable for occasional consumption; fish over that length should not be consumed.

Bella Lake (Sinclair Twp., Muskoka District) on the East River system, northeast of Huntsville was sampled for lake trout and smallmouth bass in 1977. Thirty-one lake trout averaged 0.55 ppm mercury; 16 smallmouth bass averaged 0.37 ppm mercury. Lake trout up to 22 inches in length are suitable for unrestricted consumption; above that size they are suitable for occasional consumption. Smallmouth bass up to 14 inches in length are suitable for unrestricted consumption; above that size they are suitable for occasional consumption.

Mary Lake (Stephenson Twp., Muskoka District) on the Muskoka River watershed near Huntsville was sampled in 1977 for smelt, lake trout and smallmouth bass. Data on the smelt and the lake trout was previously released; thirty lake trout averaged 3.27 ppm mercury and 10 smelt averaged 0.49 ppm mercury. Lake trout up to 18 inches in length are suitable for occasional consumption; lake trout above that size should not be consumed. Smelt from this lake can be consumed on an occasional basis.

Analysis of the smallmouth bass sample has now been completed; twenty-one smallmouth bass averaged 1.21 ppm mercury. Smallmouth bass up to 14 inches in length are suitable for occasional consumption; above that length they should not be consumed.

Dalrymple Lake (Carden Twp., Ontario Co.) on the Head River system east of Orillia, was sampled for walleye (pickerel), smallmouth bass and northern pike in 1977. Thirty walleye averaged 0.59 ppm mercury; twenty smallmouth bass averaged 0.56 ppm mercury; and thirty northern pike averaged 0.28 ppm mercury. Walleye up to 14 inches are suitable for unrestricted consumption, those between 14 and 26 inches are suitable for occasional consumption; walleye over 26 inches in length should not be consumed. Smallmouth bass up to 14 inches in length are suitable for unrestricted consumption; fish from 14 to 22 inches are suitable for occasional meals; smallmouth bass over 22 inches in length should not be consumed. Northern pike of any length are considered to be suitable for unrestricted consumption.

Kawagama Lake (McLintock Twp., Haliburton Co.) near Dorset was sampled for lake trout in 1977. Twenty-nine lake trout averaged 0.17 ppm mercury. All fish tested contained less than 0.5 ppm mercury. Lake trout from this lake are suitable for unrestricted consumption.

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Boshkung Lake (Stanhope Twp., Haliburton Co.) 10 miles north of Minden was sampled for lake trout in 1977. Twenty lake trout averaged 0.44 ppm mercury. Lake trout up to 18 inches in length are suitable for unrestricted consumption; over that length they are suitable for occasional consumption.

Miskwabi Lake (Dudley Twp., Haliburton Co.) five miles north of Tory Hill, was sampled for lake trout in 1977. Twenty lake trout averaged 0.13 ppm mercury. All fish tested contained less than 0.5 ppm mercury. Lake trout from this lake are suitable for unrestricted consumption.

Mississauga Lake (Cavendish Twp., Peterborough Co.) 10 miles north of Buckhorn, was sampled for lake trout in 1977. Twenty-two lake trout averaged 0.38 ppm mercury. Lake trout up to 18 inches in length are suitable for unrestricted consumption; over that length they are suitable for occasional consumption.

Vermillion Lake (Fairbank Twp., Sudbury District) 18 miles west of Sudbury, was sampled in 1977. Mercury levels averaged 0.47 ppm for 30 walleye (pickerel); 0.32 ppm for eight smallmouth bass and 0.11 ppm for 35 yellow perch. Walleye up to 18 inches in length are suitable for unrestricted consumption; over this length they are suitable for occasional consumption. Smallmouth bass up to 14 inches in length are suitable for unrestricted consumption; over 14 inches they are suitable for occasional meals. Yellow perch are suitable for unrestricted consumption.

Wabikoba Lake (Thunder Bay District) 25 miles northwest of White River, was sampled in 1977. Mercury levels averaged 0.49 ppm mercury in 11 northern pike; 0.63 ppm in seven walleye (pickerel) and 0.12 ppm in 25 cisco (lake herring). Northern pike up to 22 inches in length are suitable for unrestricted consumption; over that size they are suitable for occasional consumption. Walleye up to 14 inches in length are suitable for unrestricted consumption; walleye over that length are suitable for occasional consumption. Cisco (lake herring) from Wabikoba Lake are suitable for unrestricted consumption.

Santoy Lake (Twp. 81 (Tuuri), Thunder Bay District) 10 miles east of Terrace Bay, was sampled in 1977. Eighteen northern pike averaged 1.3 ppm mercury, while 17 whitefish averaged 0.26 ppm mercury. Northern pike up to 26 inches in length are suitable for occasional consumption; over that length they should not be consumed. Whitefish are suitable for unrestricted consumption.

Kirkness Lake (Kenora District) 36 miles north of Red Lake, was sampled in 1977. Twenty northern pike averaged 0.32 ppm mercury; 17 walleye (pickerel) averaged 0.37 ppm mercury. Northern pike up to 30 inches in length are suitable for unrestricted consumption; over that length they are suitable for occasional consumption. Walleye up to 22 inches in length are suitable for unrestricted consumption; walleye over than length are suitable for occasional consumption.

Coli Lake (Kenora District) 22 miles northeast of Red Lake was sampled in 1977. Twenty northern pike averaged 0.44 ppm mercury; 20 walleye (pickerel) averaged 0.37 ppm mercury. Northern pike up to 26 inches in length are suitable for unrestricted consumption; over that length they are suitable for occasional consumption. Walleye up to 18 inches in length are suitable for unrestricted consumption; over that size they are suitable for occasional consumption.

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The level of mercury in fish considered acceptable for unrestricted consumption is 0.5 parts per million (ppm) or lower. Fish containing between 0.5 and 1.5 ppm mercury are suitable for occasional consumption (i.e. a few meals per month). However, women of child-bearing age and children under 15 years of age should not consume fish containing more than 0.5 ppm mercury. Fish containing more than 1.5 ppm mercury should not be consumed.

Since mercury content increases in fish with increasing size and age, analysis of specific sizes of fish for mercury from a particular lake can be used to determine the relationship between fish length and mercury level. Environment Ontario is now presenting fish contaminant data in a form which will allow the angler, simply by measuring the fish he or she has caught, to determine the level of safe consumption.

To date, the Ontario government has sampled fish from many lakes throughout the Province. As further information on additional water bodies becomes available, listings will be made public through local media and data can be obtained from the local offices of the Ministries of Environment and Natural Resources.

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CONTAMINANT DATA SUMMARY

ONTARIO MINISTRY OF THE ENVIRONMENT - 1977

LAKE	SPECIES	# OF FISH	MERCURY (PPM) MEAN	MERCURY (PPM) MINIMUM	MERCURY (PPM) MAXIMUM	LENGTH OF FISH (INS.) MEAN	LENGTH OF FISH (INS.) RANGE	MEAN WT. (LBS.)
LAKE BERNARD	L. Trout	32	0.67	0.40	1.3	22.9	17.7-26.0	5.3
CECEBE LAKE	Walleye	30	0.99	0.40	3.2	15.3	8.1-29.3	1.5
AHMIC LAKE	Walleye	31	0.91	0.46	4.3	16.1	12.2-29.3	1.7
DOE LAKE	N. Pike	28	0.57	0.22	0.88	21.9	14.1-27.8	2.8
	Walleye	35	0.89	0.32	1.9	14.7	9.1-23.0	1.3
BELLA LAKE	L. Trout	31	0.55	0.33	1.0	25.3	18.9-32.7	7.8
	S.M. Bass	16	0.37	0.18	0.56	13.7	9.4-16.1	1.8
MARY LAKE	Smelt	10	0.49	0.26	0.84	6.1	5.1- 6.9	.06
	L. Trout	30	3.27	0.31	9.5	22.6	12.4-34.3	6.2
	S.M. Bass	21	1.13	0.43	2.7	12.4	9.1-15.7	1.3
DALRYMPLE LAKE	Walleye	30	0.59	0.16	2.7	17.4	9.5-24.8	1.9
	S.M. Bass	20	0.56	0.14	1.2	14.4	7.1-20.2	1.7
	N. Pike	30	0.28	0.14	0.69	24.2	10.7-39.4	3.4
KAWAGAMA LAKE	L. Trout	29	0.17	0.08	0.43	15.1	10.1-20.1	1.1
BOSHKUNG LAKE	L. Trout	20	0.44	0.18	0.89	17.6	7.1-26.0	2.6
MISKWABI LAKE	L. Trout	20	0.13	0.03	0.40	18.3	11.4-26.7	1.9

CONTAMINANT DATA SUMMARY

ONTARIO MINISTRY OF THE ENVIRONMENT - 1977

LAKE	SPECIES	# OF FISH	MERCURY (PPM)			LENGTH OF FISH (INS.)		MEAN WT. (LBS.)
			MEAN	MINIMUM	MAXIMUM	MEAN	RANGE	
MISSISSAUGA LAKE	L. Trout	22	0.38	0.16	0.87	16.6	10.6-27.6	1.8
VERMILION LAKE	Walleye	30	0.47	0.26	0.73	17.0	11.8-21.5	1.4
	S.M. Bass	8	0.32	0.19	0.54	11.4	7.4-15.3	0.8
	Y. Perch	35	0.11	0.05	0.22	7.3	4.5-12.6	0.2
WABIKOBA LAKE	N. Pike	11	0.49	0.19	0.83	22.8	15.2-35.0	3.4
	Walleye	7	0.63	0.25	1.3	17.6	12.2-21.3	1.8
	Cisco	25	0.12	0.04	0.25	10.5	5.9-14.6	0.6
SANTOY LAKE	N. Pike	18	1.3	0.50	2.7	26.0	19.1-32.5	4.0
	Whitefish	17	0.26	0.08	0.60	16.2	9.4-21.7	1.6
KIRKNESS LAKE	N. Pike	20	0.32	0.09	0.66	24.8	18.3-36.5	3.9
	Walleye	17	0.37	0.18	0.84	19.1	13.6-22.8	2.5
COLI LAKE	N. Pike	20	0.44	0.20	0.80	25.7	19.2-33.6	3.8
	Walleye	20	0.37	0.22	0.61	15.9	11.8-19.9	1.2

ENVIRONMENT ONTARIO BULLETIN

SIZE-SPECIFIC MERCURY GUIDELINES AVAILABLE FOR FOUR MUSKOKA LAKES

Environment Ontario is issuing a series of bulletins to provide Ontario residents with the most up-to-date information on environmental quality and any environmental conditions which may pose a hazard to health.

Environment Ontario advises that the mercury levels in certain size classes of some species of fish taken from Lake Joseph, Lake Rosseau, Three Mile Lake and Skeleton Lake in the Muskoka area are such that consumption should be limited. Fish from these lakes were collected by the Ministry of Natural Resources and analysed by the Ministry of the Environment. Advice on consumption limits is provided by the Occupational Health Protection Branch of the Ministry of Labour.

The level of mercury in fish considered acceptable for unrestricted consumption is 0.5 parts per million (ppm) and below. Fish containing between 0.5 and 1.5 ppm mercury are suitable for occasional consumption. However, women of child-bearing age and children under 15 years of age should not consume fish containing more than 0.5 ppm mercury. Fish containing more than 1.5 ppm mercury should not be consumed.

Since mercury content increases in fish with increasing size and age, analysis of specific sizes of fish for mercury from a particular lake can be used to determine the relationship between fish length and mercury level. Environment Ontario is now presenting fish contaminant data in a form which will allow the angler, simply by measuring the fish he has caught, to determine the level of safe consumption.

Skeleton Lake, Cardwell Township, Muskoka District, was sampled in 1977 for lake trout and walleye. Thirty lake trout averaged 0.37 ppm mercury, while 28 walleye averaged 0.40 ppm mercury. Lake trout up to 22 inches in length are suitable for unrestricted consumption; trout over this length are suitable for occasional consumption as noted above. Walleye from Skeleton Lake up to 18 inches are suitable for unrestricted consumption; between 18 and 30 inches they are suitable for occasional consumption.

Three Mile Lake, Watt Township, Muskoka District, was sampled in 1977. Twenty walleye were collected and averaged 0.67 ppm mercury. Walleye under 14 inches were found to be suitable for unrestricted consumption. Between 14 and 22 inches, this species was suitable for occasional consumption as outlined above. Walleye over 22 inches should not be consumed.

Lake Rosseau, Cardwell Township, Muskoka District, was sampled in 1977. Thirty lake trout averaged 0.97 ppm mercury. Trout between 12 and 30 inches in length are suitable for occasional consumption as noted above, while trout over 30 inches should not be consumed.

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Ontario Ministry of the Environment

Hon. George A. Kerr, Q.C.
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Lake Joseph, Cardwell Township, Muskoka District, was sampled previously for lake trout in 1976. The 1977 sample confirms the earlier analysis that trout up to 22 inches in length are suitable for unrestricted consumption. Over 22 inches and up to 30 inches, lake trout in this lake were suitable for occasional consumption as noted above. Twenty-five lake trout in the 1977 sample averaged 0.37 ppm mercury.

Test results released previously by the Ministry prompted an extensive mercury survey of the entire Muskoka Lakes Basin. The study, initiated this past spring, includes sampling of fish, water and sediments from lakes and rivers throughout the watershed. All municipal and industrial sources (existing or abandoned) are being investigated to identify possible sources of mercury.

In these lakes, water quality is excellent for all recreational uses. As in all Ontario waters where mercury sampling has been conducted, the concern is for possible contamination of fish. Mercury levels in water anywhere in Ontario are near or below the limits of detection and pose no threat to human health.

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ENVIRONMENT ONTARIO BULLETIN

ENVIRONMENTAL HEALTH BULLETIN

E53

Scugog River Fish Samples Low In Contaminants

July 6, 1977

Environment Ontario is issuing a series of bulletins to provide Ontario residents with the most up-to-date information on environmental quality and any environmental conditions which may pose a hazard to health.

Analysis of walleye, large mouth bass, small mouth bass and carp from the Scugog River, both upstream and downstream of the town of Lindsay showed acceptable levels of PCBs and a range of agricultural pesticides. No trace of the chemical Mirex could be detected in any of the fish sampled.

The Ministry of the Environment advises that all four species of fish from the area are suitable for unrestricted consumption.

PCBs were detected in some fish sampled, downstream from Lindsay, all well below the advisory level of 2.0 parts per million.

Earlier sampling of fish for mercury in Lake Scugog and Sturgeon Lake, situated upstream and downstream from Lindsay, revealed mercury levels within the acceptable limit of 0.5 parts per million. These lakes will be sampled again this summer as part of an ongoing contamination monitoring program by the Ministries of Natural Resources and Environment

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Ontario
Ministry of the Environment

Hon. George A. Kerr, Q.C.
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ENVIRONMENT ONTARIO BULLETIN

ENVIRONMENTAL HEALTH BULLETIN April 1977

Mirex and PCB Levels In Lake Ontario Smelt

Environment Ontario is issuing a series of bulletins to provide Ontario residents with the most up-to-date information on environmental quality and any environmental conditions which may pose a hazard to health.

Environment Ontario advises that only occasional meals of rainbow smelt should be consumed from the eastern basin of Lake Ontario, (Port Hope to Kingston) the southern and western basins, (Port Dalhousie to Oakville) and the central basin, (Toronto to Oshawa) due to elevated levels of mirex and polychlorinated biphenyl levels in two sampling areas. Women who are pregnant, who may become pregnant, nursing mothers and young children are advised not to consume any of the fish.

Eastern Basin

Rainbow smelt from Port Hope, Traverse Shoal, Glenora and the Amherst Island areas contain mirex above the acceptable level of 0.1 parts per million. Polychlorinated biphenyls (PCBs) in the Port Hope sampling area exceeded the acceptable level of 2.0 parts per million.

Southern and Western Basins

Rainbow smelt collected from Port Dalhousie, Burlington Beach, Burlington Bay, and Bronte Creek areas contain elevated levels of mirex. PCB concentrations in Burlington Bay smelt exceeded the acceptable level.

Central Basin

Rainbow smelt from the Humber River, Rouge River, Frenchman's Bay and Wilmot Creek areas show mean mirex concentrations of 0.1 parts per million or less. PCB concentrations were within the acceptable level.

Other Southern Ontario Areas

Mirex was not detected in rainbow smelt taken from Long Point Bay and the Wheatly area of Lake Erie nor in smelt from the Kawartha-Trent Basin. Based on analysis of other fish species, mirex is likely not present in Lake Huron or Lake Simcoe smelt.

Mirex, a suspected carcinogen, is a pesticide used in the southeastern United States for the control of fire ants. It is not registered for use as a pesticide in Ontario but the same material under the trade name Dechlorane was used by two companies in Ontario during the 1960s as a fire retardant additive in manufactured products. Recent investigations by Environment Ontario staff of these two companies found no evidence of mirex/Dechlorane in water, sediment or fish from near-by watercourses.

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Ontario
Ministry of the Environment
Hon. George A. Kerr, Q.C., Minister
Everett Biggs, Deputy Minister

The only known industrial sources of mirex near Lake Ontario are the Hooker Chemical Company of Niagara Falls, New York and the Armstrong Cork Company near Oswego, New York.

Polychlorinated biphenyls, known carcinogenic and toxic materials, have been used in a wide variety of industrial applications for several decades. Since 1972, PCB use in Ontario has been restricted and currently they are permitted for use only in totally enclosed systems for electrical insulation.

Environment Ontario, in co-operation with the Ministry of Natural Resources and medical advisors from the Occupational Health Protection Branch of the Ministry of Labour, is now responsible for information regarding environmental health.

The rainbow smelt were collected from the 12 locations around Lake Ontario by the Ontario Ministry of Natural Resources last year and were recently analysed by Environment Ontario's laboratory in Toronto. This is part of an ongoing sampling and analysis program from lakes throughout the Province by the two ministries. As analyses are completed by the laboratory, bulletins are issued concerning results related to environmental health.

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MIREX AND PCB LEVELS IN LAKE ONTARIO RAINBOW SMELT

(BASED ON 1976 SAMPLING PROGRAM)

Collection Site	Number of Fish Tested	*Mirex (PPM) Mean	Max.	Min.	*PCBs (PPM) Mean	Max.	Min.
Port Dalhousie	100	0.12	0.15	0.06	1.95	3.00	0.75
Burlington Beach	80	0.16	0.25	0.10	--	--	--
Burlington Bay	190	0.15	0.33	0.02	2.31	5.80	1.30
Bronte Creek	30	0.12	0.15	0.10	--	--	--
Humber River	50	0.10	0.19	0.05	1.38	2.55	0.65
Rouge River	50	0.10	0.14	0.09	1.89	2.30	1.50
Frenchman's Bay	50	0.06	0.11	0.01	1.62	2.40	0.24
Wilmot Creek (New Castle)	50	0.10	0.14	0.04	1.77	2.65	1.00
Port Hope	55	0.19	0.35	0.12	2.17	2.95	1.00
Traverse Shoal (Southeast Prince Edward County)	25	0.13	0.21	0.09	1.77	2.50	1.40
Glenora	80	0.13	0.25	0.08	1.55	2.70	0.90
Amherst Island Area (West of Kingston)	50	0.16	0.20	0.11	1.56	1.80	1.10

* acceptable level for mirex 0.1 parts per million

* acceptable level for PCBs 2.0 parts per million

ENVIRONMENT ONTARIO BULLETIN

ENVIRONMENTAL HEALTH BULLETIN APRIL 22, 1977

ELEVATED MERCURY LEVELS DETECTED IN LAKE SUPERIOR FISH

Environment Ontario is issuing a series of bulletins to provide Ontario residents with the most up-to-date information on environmental quality and any environmental conditions which may pose a hazard to health.

Environment Ontario advises that elevated levels of mercury have been found in some species of fish from Lake Superior near the Town of Marathon in Northwestern Ontario.

The Ministry advises that only occasional meals of the contaminated fish from the water system should be consumed. Women who are pregnant or who may become pregnant, nursing mothers and young children are advised not to consume any of these fish.

Lake Superior (Peninsula Harbour):

Whitefish, white sucker and lake trout from Peninsula Harbour on Lake Superior near the Town of Marathon are above the acceptable limit of 0.5 parts per million for mercury.

A preliminary fish study conducted during the early 70s and published by the Ministry of Natural Resources indicated that whitefish, lake trout, pike, brown trout and cisco contained elevated levels of mercury.

The only known industry in the Marathon area using a mercury process is American Can of Canada Limited whose chloralkali plant uses mercury cells.

The Ontario Ministry of the Environment, in co-operation with the Health Ministry and medical advisors from the Occupational Health Protection Branch of the Ministry of Labour is now responsible for information regarding environmental health.

The Ministries of Natural Resources and Environment are engaged in ongoing sampling and analysis of fish from lakes throughout Ontario. As analyses are completed by Environment Ontario's laboratory, bulletins are issued concerning results related to environmental health.

For Further Information: J.W. Steele
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Ontario
Ministry of the Environment
Hon. George A. Kerr, Q.C., Minister
Everett Biggs, Deputy Minister

MERCURY DATA SUMMARY

ONTARIO MINISTRY OF THE ENVIRONMENT, 1976

LAKE SUPERIOR (PENINSULA HARBOUR):

SPECIES	N	MEAN	MINIMUM	MAXIMUM	LENGTH (IN.) MEAN	LENGTH (IN.) RANGE	MEAN WT. > % = 0.5 (LB.)	
WHITEFISH	18	0.86	0.08	2.10	14.7	12.2--17.7	1.056	66.67
WHITE SUCKER	24	0.79	0.07	2.10	11.5	8.7--17.7	0.787	75.00
LAKE TROUT	33	0.98	0.71	1.90	26.8	24.8--30.3	7.419	100.00

ENVIRONMENT ONTARIO BULLETIN

ENVIRONMENTAL HEALTH BULLETIN MARCH, 1977

Mercury Levels In Timmins Area Fish

Environment Ontario is issuing a series of bulletins to provide Ontario residents with the most up-to-date information on environmental quality and any environmental conditions which may pose a hazard to health.

Many lakes in the Timmins area were sampled under the co-ordinated program conducted by the Ministries of Natural Resources and Environment. In several cases species of fish tested reflected levels of mercury well within the acceptable level of 0.5 parts per million, but numbers and sizes of fish tested were inadequate to provide reliable interpretation of results. The following lakes and rivers will be sampled again:

Kenogamissi, Frederich, Papakomeka, Pharand, Porcupine, Mattagami River, Jowsey, Kamiskotia, Nighthawk.

Environment Ontario, however, advises that elevated levels of mercury have been found in some fish taken from Mattagami, Nabakwasi, Kenogaming, Mesomikenda, and Minisinakwa Lakes.

The Ministry advises that only occasional meals of the contaminated fish from the water systems should be consumed. Women who are pregnant, who may become pregnant, nursing mothers and young children are advised not to consume the fish.

Mattagami Lake

Walleye and pike taken from this lake, located 25 miles southwest of Timmins, are above the acceptable level of 0.5 parts per million for mercury.

Nabakwasi Lake

Walleye and pike from this lake, located 35 miles southwest of Timmins, are slightly elevated.

Kenogaming Lake

Walleye from this lake, located 20 miles southwest of Timmins, are slightly elevated. Pike are within acceptable limits and may be eaten.

Mesomikenda Lake

Walleye and pike from this lake, located approximately 30 miles southwest of Timmins, are elevated.

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Hon. George A. Kerr, Q.C., Minister
Everett Biggs, Deputy Minister

Minisinakwa Lake

Walleye and pike from this lake, located 40 miles southwest of Timmins, are elevated.

There are no known sources of industrial mercury in this area and Environment Ontario staff believe that the elevated levels of mercury in fish probably originate from natural sources.

The Ontario Ministry of the Environment, in co-operation with the Health Ministry and the Occupation Health Protection Branch of the Ministry of Labour is now responsible for information regarding environmental health.

The Ministries of Natural Resources and Environment are engaged in ongoing sampling and analysis of fish from lakes throughout Ontario. As analyses are completed by Environment Ontario's laboratory, bulletins are issued concerning results related to environmental health.

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MERCURY DATA SUMMARY

ONTARIO MINISTRY OF THE ENVIRONMENT, LABORATORY SERVICES BRANCH

SPECIES	N	MEAN HG	MIN HG	MAX HG	MEAN LEN. (INCHES)	MEAN WT. (LB.)	%>=.5 PPM
LOCATION: MATTAGAMI, 1976							
Walleye	38	0.93	0.52	2.10	14.5(10.2-20.1)	1.347	100.0
Pike	12	1.24	0.60	2.40	20.2(14.4-28.1)	2.588	100.0
LOCATION: NABAKWASI, 1976							
Walleye	10	0.59	0.32	1.10	16.5(10.8-21.6)	2.384	60.0
Pike	5	0.67	0.21	1.00	15.0(0.7-19.9)	1.575	80.0
LOCATION: KENOGAMING, 1976							
Walleye	11	0.56	0.29	1.50	15.6(12.6-21.8)	1.647	27.3
Pike	39	0.29	0.12	0.71	19.5(14.3-24.1)	1.882	2.6
LOCATION: MESOMIKENDA, 1976							
Walleye	45	1.00	0.40	2.90	16.4(10.6-24.2)	2.019	95.6
Pike	7	0.55	0.30	0.95	18.4(14.7-20.7)	1.589	57.1
LOCATION: MINISINAKWA, 1976							
Walleye	51	0.83	0.20	2.40	14.6(8.2-27.1)	1.688	88.2
Pike	12	0.74	0.25	2.20	19.5(14.0-23.6)	2.114	75.0